## Appendix V III

## Positional Iconism

## N on-V ehicular M otion

Position: 1
/r/Characterization: General running or walking, no source or path implied. T ends to be fast or wide ranging.
/r/ W ord List: race, raid, range, reach, rip, roam, roar, romp, rove, run, rush
/I/ C haracterization: General departure.
I// W ord List: lead, leave, lope, lunge, lurch
Position: 2
/r/Characterization: M otion's source or path is defined by initial consonant. Tends to be slow and limited. /tr/ suggests an implicit goal.
/r/ W ord List: break, crawl, creep, cross, cruise, drag, drift, drop(by),frisk, prance, press, prowl, thread, trace, track, trail, tramp, tread, trek, tromp, troop, trot, trudge
I/ C haracterization: W ith labials usually a flight from something specific, otherwise a burden is implied.
II/ W ord List: blast, blitz, blow, climb, flash, flee, fly, plod, plunge, slink, slip, slog, slosh

## Position: 3

/r/ Characterization: Source and path defined. Tends to be fast or wide-ranging./str/ is linear. /r/ W ord List: scram, scream, spread, spring, sprint, stray, streak, stream, stride, strike, stroll, strut I/ C haracterization: Flight
II/ W ord List: split
Position: F2
/r/Characterization: An element of inevitability or lack of control implied. An obstacle is implied.
/r/ W ord List:barge, charge, course, curve, dart, ford, forge, fork, forth, hurl, march, part, storm, swarm, swerve, warp
I/ C haracterization: Avoidance.
/I/ W ord List: bolt, skulk
Position: F3
/r/Characterization:Inevitability or passivity often implied. No implicit obstacle.
/r/ W ord List: fare, near, roar, scour, soar, tear, tour, veer
/I/ Characterization: Pulling.
II/ W ord List: crawl, prowl, pull, steal, scale, trail

## O bservations

- The/l/ words usually contain a labial consonant. In positions 1, 2, 3 and F2, the words containing /I/ imply a departure from some place. In final position, they imply that something is dragged along behind. In words containing /r/, this adherence to a place or thing is not in general implied. I/ quite generally implies a flowing whose direction and force is determined by its position in the word relative to the other sounds which surround it. W hen /I/ appears in initial position, the flowing outward happens first, and the word concludes with the position from which the flowing occurs. If the word ends in /ch/ or /j/, a sudden overcoming of resistance is implied. If the word ends in a labial, the place or position from which the flowing occurs is emphasized (lope, leave). W hen /I/ occurs initially, the action 'leads', but when the/I/ occurs in final position, the flowing is after the fact, and we get the opposite 'follow', or 'pull'.
- /r/'s energy is much more active than /l/'s. The other sounds in a word containing/r/ define the source, goal and path of its energy, but there is in general no ongoing connection between them. In initial position, /r/ often implies that the motion has no limitation (roam, range, rove, romp). In these words, for example, the 'measure' implicit in /m/ emphasizes the area that is covered. The number provided by the/ n / in 'range' contributes the sense that a specific measurable area is
involved. The/p/ in 'romp' emphasizes the steps. These characteristics are quite general for $/ \mathrm{m} /$, $/ \mathrm{n} /$ and $/ \mathrm{p} /$. When $/ \mathrm{r} /$ appears in 3rd position, /s/ begins the word, and reinforces the energy making the sCr words more powerful or energetic than their \#Cr counterparts. This too is quite generally the case for words beginning with /s/. A comparison of /r/ in second position to /r/ in pre-final position shows that /r/ tends to lose control after the vowel.


## Vehicular M otion

Position: 1
I// C haracterization: G eneral D eparture
I// W ord List:launch
Position: 2
/r/Characterization: Effortful, implies a burden and a direction.
/r/ W ord List: branch, bring, draft, draw, drive, freight, trail, trawl,trip, troll, truck
II/ C haracterization: Easy sliding or flying over water or through air
/I/ W ord List: flight, float, flow, flux, fly, glide, sled, slide, slink, slip
Position: F2
/r/ C haracterization: M ore focussed on steering than burden.
/r/ W ord List: cart, surf, turn
I// Characterization: Steering
II/ W ord List: helm
Position: F3
/r/ Characterization: Steering, directedness or a burden.
/r/ W ord List: bear, oar, spur, steer, tour, veer
I/ C haracterization:Pulling or Steering
/l/ W ord List: haul, pull, roll, sail, scull, trail, trawl, troll, wheel

## 0 bservations

- The/r/ words in general involve a vehicle which must be driven with an engine or with some other force. W hen the/r/ occurs in initial position, the energy forms the backdrop of the action, and so the word infers 'riding', that the person transported is not having to steer or carry any weight. W hen /r/ appears immediately after a consonant, the consonant imposes a burden that the/r/must carry. W hen /r/ appears after the vowel, again control is lost, and the issue of steering comes up. - The /I/ words in general do not imply that the vehicle has an engine. They often imply smooth movement over water or through air. Whereas the dragging in /r/ happens when /r/ is in second position, in /I/ it happens in final position.


## Liquid in M otion

Position: 1
/r/Characterization: D ownward. No limited path. D efined goal.
/r/ W ord List:rain, run
II/ Characterization: N o limited path. Defined source.
I// W ord List: leak
Position: 2
/r/ C haracterization: D ownward. Along a narrow, linear path.
/r/ W ord List: drain, drench, drift, drip, drool, drop, drown
I// Characterization: D ownward.
II/ W ord List: bleed, floe, flood, flow, flush, plash, plop, sleet, slop, slosh, sluice
Position: 3
/r/ C haracterization: 0 utward. M ore forceful.
/r/ W ord List: spray, spring, strain, stream
II/ C haracterization: O utward. M ore forceful.
/I/ W ord List: splash, splat, splay, splotch
Position: F2
/r/ C haracterization:U ncontrolled.
/r/ W ord List: spurt, squirt, storm
II/ C haracterization: U ncontrolled.
/I/ W ord List: melt, whelm
Position: F3
/r/ C haracterization: D efined source.
/r/ W ord List: pour, tear
/I/ C haracterization: D ownward. U ncontrolled.
II/ W ord List: drool, fall, hail, spill

## O bservations

- The/r/ words tend to be more linear than those containing /I/.


## Sound

Position: 1
/r/C haracterization: W ild or unrestrained. Source of sound not narrowly specified
/r/ W ord List: rage, rant, rap, rasp, rave, ring, roar, rout, row
Position: 2
/r/Characterization: Source of sound more narrowly defined. Sound is more restrained.Sound produced intentionally
/r/ W ord List: bray, breath, crack, crash, creak, croak, croon, crunch, cry,drawl, drone, drum, frog, groan, groove, growl, grunt, shriek, shrill, thrum, trill, troll
/I/ Characterization: Source of sound is an orifice. Sound produced intentionally
/I/ W ord List: blab, blare, bleat, blow
Position: 3
/r/Characterization: Strained voice (/k/) or string (/t/).
/r/ W ord List: screak, scream, screech, strain, strike, stroke, strum
Position: F2
/r/ C haracterization:U nintentionally produced sound of limited duration.
/r/ W ord List: bark, birl, burp, chirp, chord, dirge, fart, hoarse, horn, snarl, snort, storm
I/ C haracterization:U nintentionally produced sound of limited duration.
/I/ W ord List: pulse
Position: F3
/r/ C haracterization:U nintentionally produced prolonged sound.
/r/ W ord List: birr, blare, chirr, churr, purr, roar, snore, whir
/I/ Characterization:U nintentionally produced prolonged sound.
II/ W ord List: bawl, bell, birl, drawl, gnarl, growl, howl, knell, peal, shrill, snarl, squeal, toll, trill, troll, wail, yell, yowl

## 0 bservations

- The/l/ words tend to cooccur with labials. (/r/ throughout this appendix is classified as a labial.)

T his type of cooccurrence is very common throughout the vocabulary. O ne could say that with very few exceptions in English, II/ requires a labial in order to make noise. The /I/ words tend to be higher pitched than those containing /r/.

## Speech

Position: 1
/r/Characterization:Incoherent
/r/ W ord List: rage, rant, rasp, rave, roar
Position: 2
/r/ C haracterization: C oherent, having specific intent.
/r/ W ord List: brag, bring, broach, greet, grill, gripe, grouse, phrase, praise, prate, pray, preach, prove, threat, thresh, train, trope
II/ C haracterization: C oherent, having specific intent. Pleading in / $\mathrm{p} /$, blame otherwise
II/ W ord List: blab, blame, blare, blast, blow, cluck, flak, flay, flout, plea, plead, please, slap, slur
Position: 3
/r/ C haracterization: O utward. M ore forceful.
/r/ W ord List: screen, spread, spring, stress, stretch
Position: F2
/r/C haracterization: U ncontrolled or prolonged.
/r/ W ord List: blurt, harp, spurt, word, yarn
I/ C haracterization:
/I/ W ord List: scold
Position: F3
/r/ C haracterization: D efined source. $N$ eed to express something repressed
/r/ W ord List: air, pour, share, square
/I/ C haracterization: D efined source. W ish to talk.
II/ W ord List: call, dial, hail, heil, poll, skoal, spiel, tale, tell

## O bservations

- At this point it becomes apparent that the most controlled positions are $2 n d$ and 3rd, before the vowel, but after initial consonants. The lack of control in initial position is always different from the lack of control which surfaces when the consonant follows the vowel. In initial position, the speech itself, represented by /r/ is not limited, and in this case, the result is incoherence. After the vowel, coherence has already been provided by initial consonants. For example, the person has something to air or share, but is not in control of the actual process of sharing. It's something that needs to be done. The fact that /// is less actively forceful can be seen, for example, in the fact that the talking words ending in /r/ have an implication of compulsion, whereas those ending in /I/ just express a wish to talk.


## M ake Active - /r/, C alm D own - /I/

Position: 1
/r/ C haracterization: G eneral criticism or attempts to irritate.
/r/ W ord List: rag, rail, rake, ram, rap, rat, rate, raw, razz, rib, rile, riot, rise, rock, roil, rot, rouse, rub, rude, ruse, rut
II/ C haracterization:
II W ord List:Iow, Iull
Position: 2
/r/ Characterization: Putting somebody through something
/r/ W ord List: craze, grate, grill, threat
II/ C haracterization:Interference with ongoing activity.
I// W ord List: bleep, plod, slack, sleep, slog, slop, sloth, slow, slug
Position: 3
/r/ C haracterization: Increased forcefulness, driving away
/r/ W ord List: scram
Position: F3
/r/ Characterization: Scare
/r/ W ord List: dare, floor(v), glare, jar, rear(v), scar, scare, sore, spur, stare, stir, tear
II/ C haracterization:D iscontinuation
II/ W ord List:Iull, quell, stall, still

## 0 bservations

- There isn't really a class of words containing /I/ intended to make someone active. There are words of criticism (listed below). But the closest large class of words in /I/ to the 'make active' class in /r/ slows things down rather than speeding them up. This fact exemplifies quite well the difference between /r/ and /I/. /r/ has its own inherent energy which activates what surrounds it. I// has a potential energy, which has a calming or slowing effect on its environment. The words in this class in which $/ \mathrm{r} /$ appears before the vowel are intended to make someone active. W hen /r/ appears after the vowel, they are words of scaring.


## C urse, C riticize

Position: 1
/I/ Characterization: G eneral criticism
/I/ W ord List:Iash, launch, lay (into), lip, Iump (it)
Position: 2
/r/C haracterization: C riticism
/r/ W ord List: brand, crock, drat, gripe, grouch, grouse, growl
/I/ C haracterization: Criticism for something specific
/I/ W ord List: blame, blast, blow, cluck, flak, flay, flout, slap, slur
Position: 3
Characterization: C riticism intensified
W ord List: screw, strip
Position: F2
/r/ C haracterization:Y elling, implies condescension
/r/ W ord List: barb, bark, curse, harp, irk, scorn, smirch
II/ Characterization:Implies authority
/I/ W ord List: scold
Position: F3
II/ C haracterization:Implies an effect has been brought about. (resultative) II/ W ord List: gall, rile, roil, till

## Roads

Position: 1
/r/Characterization: G eneral
/r/ W ord List: ramp, ring, rink, road, route, run, rut
II/ Characterization: Something which leads to
II/ W ord List:Iane, line
Position: 2
/r/ Characterization: D irected through or over.
/r/ W ord List: bridge, draw, through, track, trail
Position: 3
/r/ C haracterization:
/r/ W ord List: street, strip
Position: F2
/r/ C haracterization:U ncontrolled.
/r/ W ord List: course
/I/ Characterization: Something one follows
/I/ W ord List:trail

## Appendix IX

## Reversal of Phoneme 0 rder

## /b/dd/

Strike/W ound:
/bIVd/ - N oun: blade
/d//b/ - Verb: dab, daub, daube, drub
Blood:
/bIV d/: bleed, blood
Combine:
/bV nd/: band, bind, blend, bond
Group/Amount:
/b//d/ - Group: band, board, blend, bond, brood, bund
/d//b/ - Amount: dab
Labd:
/b//d/ - N egative: brand
/b//d/ - Positive: dibs, dub
Bad:
/b//d/ - Powerful: bad, bode, brood
/d//b/ - W eak: drab, dweeb
$/ \mathrm{b} / \mathrm{g} /$
Covering/Container:
/b//g/ - Container/Building: burg, bag, brig
/g/b/ - C lothing: garb
Hold/D etain:
/b//g/ - Detain: beg, bog, bug
/grVb/ - Hold: grab, grub
Quantity:
/b//g/ - Adjective: big
/g/b/ - N oun, a Thing which is Big: glob, globe, gob
Contentless Talk:
/b//g/ - brag
$/ \mathrm{g} / / \mathrm{b} /-\mathrm{gab}$
/b/t/
Strike:
/b//t/ - No I ndication of Result: baste, bat, beat, belt, bite, blast, bolt, bunt, bust, butt /t//b/ - Results in Injury: stab, stub, (tab)
Classifier/Container:
/b//t/ - Classifier: bit, bout, byte
/t//b/ - Container: tub, tube
N egative Person:
/b//t/ - bat, beast, brat, brute
/b/k/
Container:
/b//k/ - C ontents Emphasized: bank, beak, book, bunk
/k//b/ - C ontainer Emphasized: cab, cob, crib, cube
Group/Amount:
/b//k/ - Amount: bank, bloc, block, book, brick, buck, bulk
/k//b/ - Group: club
Remain Stationary:
/b//k/ - Voluntary: bake, bask
/k/b/ - Involuntary: crib, curb
Stop/Inhibit:
/b//k/ - Stops a Process from Starting: back, balk, bilk, black, blank, bleak, blink, block, bosk, brake, break,
broke, brook, brusque
/k//b/ - Limits an Ongoing Process: curb, scab
Speed:
/b//k/ - bike, brink, brisk, brook, brusque
Language:
/b//k/ - Speech: bark, beck
/sk//b/ - Writing: scribe, squib
/b/ff
Dysunction:
/b/ff/ - Barrier Broken: barf
/f//b/ - M istep: flub
Quantity:
/b/ff - Strong: beef
/f//b/ - W eak: flab
Deceat:
/b/ff/ - Block U nderstanding: bluff
/f//b/ - Misdirect U nderstanding: fib
/b/T/
Happy:
/b/TT / - No Longing: blithe
/T//b/ - Longing: throb
$/ \mathrm{b} / \mathrm{s} /$
Hierarchy:
/b//s/ - Superior: boss
/s/b/b/ Inferior: sub
Emotion:
/b//sl - Joy: bis, bless, bliss
/s/b/b/ - Sorrow: sob
/b//S/
Bushy:
/b//S/ - III D efined Shape: brush, bush
/b//S/ - Clear Outline: shrub
/b/J/
Push:
/b//J/ - The O bject T ouched M oves: barge, budge
/J//b/ - The 0 bject T ouched Remains Stationary: jab
Protruding Shape:
/bVIJ/ - Bulge: bilge, bulge
$\mathrm{l} / / \mathrm{b} /$ - Back and Forth: jib, jibe
N onsense:
/b/J/ - bilge
$\mathrm{l} / \mathrm{l} / \mathrm{b} /$ - gibe
/b/m/
Explosion:
/b//m/ - Explosive N oise: bam, bomb, boom
$/ \mathrm{m} / \mathrm{b} /$ - Explosive Quantity: mob
/b/n/
Bump:
/b//n/ - Free Standing: bean
$/ \mathrm{n} / \mathrm{lb} /$ - Part of A nother 0 bject: knob, neb, nib, nub
Interference/l mpediment:
/b//n/ - Problematic, Render to N othing: ban, bane, bone, burn
/blVn/[+dental] - Contentless: blanch, bland, blind, blond, blunt
/snVb/ - Superior, Perceive as Nothing: snob, snub
Acquisition/Binding:
/b//n/ - Come without Effort: boon
/bVnd/ - Held in Place Perpetually: band, bind, blend, bond
/n//b/ - T ake: nab

## /b//I/

Execution:
/b//I/ - O vercoming a Barrier: bold
/I//b/ - N o Barrier to $O$ vercome: glib
Group/Amount:
/b/I//-U nintentional : blob, bloc, block
/k//I/ - Intentional M embership: club
Growth/Fat:
/b//l/ - Growth: bloat, bloom, blouse, blow, build, bulge, bulk
/I//b/ - Fat: flab

## Criticism:

/b//l/ - Criticize: bawl, bilge, blame, blast
/I//b/ - Person: plebe, slob
Error:
/b//l/ - No Second Chance: blank, blotch, blow
/I//b/ - Potential for Retry: flub

## Emptiness/Blank:

/b//I/ - bilge, blank, blur

## Bulge:

/b//l/ - H ollow: bale, ball, bell, bilge, birl, blimp, blip, bloat, blouse, blow, boil, boll, bowl, bulge, burl
/I//b/ - Solid: glob, globe, lob, lobe
/bl//b/ - blob, bulb
/b//r/
Brushy:
/b//r/ - U nformed: beard, birch, braid, bran, branch, broom, brow, brush, bur, burr
/r//b/ - Clear Outline: shrub
/br//b/ - barb
H eat/Light:
/b//r/ - H eat: braise, brand, braze, brew, bright, broil, broth, brown, burn
/r//b/ - N o H eat: strobe
Strong/Support
/b//r/ - C arries W eight: bar, barge, bear, bier, board, brawn, breech, brick, bring, brunt
/r//b/ - D oesn't Carry W eight: rib
Emptiness
/b//r/ - Blind/Empty: bare, blear, blur, bore, braille
/r//b/ - Steal/T ake: grab, grub, rob
D erogatory Terms for People
/b//r/ - A ggressi ve: bear, boar, boor, bore, brash, brat, brute
/r//b/ - W eak or Complaining: crab, drab
Containers
/b//r/ - Large: barge, barn, berth, brig, burg
/r//b/ - Small: crib
Energetic:
/b//r/ - Extroverted: brave, bright, brisk, brusque
/r//b/ - Introverted: throb
Groups
/b//r/ - brand, brood
/r//b/ - tribe
Strike/Break
/b//r/ - Breakage: breach, break, brief, browse, bruise, burn, burst
/r//b/ - N o Breakage: drub, probe, rub, scrub
$/ \mathrm{d} / / \mathrm{p} /$
W ater
/d//p/ - D ownward: damp, deep, dip, drip, drop
/p//d/ - Lake: pond
Down
/d//p/ - D rop: deep, dip, drape, droop, drop, dump
/p//d/ - Step/Pound: pad, plod, pound
Hierarchy
/d//p/ - Trick: dope, dupe
/p//dp/ - Pride: pride, proud
/d/t/
Immobility
/d//t/ - Inhibited: daunt, dent, doubt, drat, drought
/t//d/ - Steadfast: stand, staid, stead
Strength
/d//t/ - Ability: deft, dint, droit
/t//d/ - Strength: steed, stand, stud
M otion
/d//t/ - Response to an Existing Process: dart, draft, drift, duct
/t//d/ - W alk: stride, tread
D erogatory Terms for People
/d//t/ - Inept: daft, dolt
/t//d/ - U npleasant: toad, turd
M oney
/d//t/ - D ebt: debt
/t//d/ - Trade: trade
Location/Earth
/d//t/ - Earth: dirt, dust
/t//d/ - Location: stand, stead
Future
/d//t/ - Romance: date, dote
$/ t / / d /$ - T endency: tend, tide, trend
Amount
/d//t/ - dit, dot
/t//d/ - Part of Something Else: strand, tad
/d//k/
Container:
/d//k/ - Container: deck, desk, dike, disc, disk, dock
/c//d/ - Cluster: clod, cloud, crowd, squad
W ater
/d//k/ - dank, drink, dunk
/k//d/ - cloud
Cold/D ark
/d//k/ - D ark: dank, dark, dusk
/k//d/ - Cold: cloud, cold
Long, Thin:
/d//k/ - For Striking/Penetrating: dick, dirk, duke
/k//d/ - For Binding: cord
Dirt:
/d//k/ - dank, dreck
/k//d/ - crud, crude, cud
D erogatory Terms for People:
/d//k/ - Stupid: dork
/k//d/ - Ridiculous, N aive: cad, card, clod, kid
/d//v/
Absence:
/d//k/ - Seeking: delve, dive, drive
/d//k/ - M any: drove
$/ k / / d /$ - N othing: void

## /d//f/

## Emptiness/Absence:

/d//f/ - Something is M issing: dwarf, deaf
/f//d/ - Something D isappears: fade
Friendship:
/d//f/ - Expression of Feeling: doff
/f//d/ - Feeling of F ondness: fad, fond, friend
/d//T/
Paucity
/d//T /: dearth
/T //d/ - thread
$/ \mathrm{d} / \mathrm{s} /$
Dirt/Earth:
/d//s/ - Dirt: dross
/s//d/ - Earth: sand, sod
Appear/D isappear:
/d//s/ - D i sappear: dose, douse, dress
/s//d/ - Appear: sand, seed, sod
W ater and Limitation
/d//s/ - W ater Limits: dowse
$/ \mathrm{s} / / \mathrm{d} /-$ W ater is Limited: sound
/d//S/
Breakage:
/d//S/ - Break: dash
/S//d/ - Result of Breakage: shard, shred
C ontainer/Cover:
/d//S/ - Container: dish
/S//d/ - Cover: shade, shed, shield, shroud
Rid/Shed:
/d//S/ - dash, dish, douche
/S//d/ - shed
/d//m/
Gloomy
/d//m/ - State of the W orld: dam, damn, dim, doom, dumb
$/ \mathrm{m} / / \mathrm{d} /$ - State of M ind: mad, mind, mood
By Which Things Are Contained or $M$ easured:
/d//m/ - C ontainer/A mount: dime, dorm, dram
$/ \mathrm{m} / / \mathrm{d} /$ - M odus: mod, mode, mood
Bulge:
/d//m/ - dome
$/ \mathrm{m} / / \mathrm{d} /$ - mound
M ind:
$/ \mathrm{d} / / \mathrm{m} /$ - Activities of the M ind: deem, dream, drum
$/ \mathrm{m} / / \mathrm{d} /$ - The M ind Itself: mind
Women:
/d//m/ - M istress: dame
$/ \mathrm{m} / / \mathrm{d} /$ - Servant: maid
Change:
/d//m/ - D estroy: damn, doom
$/ \mathrm{m} / / \mathrm{d} /$ - M end/M ake: mend, mind, mold
/d//n/
Down:
/d//n/ - W ater: down, drain, drown, drench
/n//d/ - N o W ater: nod
Tired:
/d//n/ - M ake Tired: down, drawn, drone
/n//d/ - Become Tired: nod
N egative:
$/ \mathrm{d} / / \mathrm{n} /$ - darn
/n//d/-snide
M ound:
/d//n/ - dune
$/ \mathrm{n} / / \mathrm{d} /$ - node
Beginnings:
/d//n/ - Begin: dawn, deign, don
/n//d/ - Consent: nod
/d//n/ - dine, dint, drench
Insufficiency:
/d//n/ - daunt, dent, dense
/n//d/ - need, nude
/d//l/
Land:
/d//l/ - Valley: dale, dell
/I//d/ - Land: glade, land
Burden With/Give:
/d//I/ - D istribute, D irect O bject is Active: deal, dole
/I//d/ - Combine, D irect O bject is Passive: blend, flood, Iade, land, lead, lend, load, lode
Talk:
/d//I/ - Talk About: deal, delve, dwell
////d/ - Request: plead
M otion:
/d//I/ - Dig: delve, drill
II//d/ - Lead, W alk, Slide: glide, lead, plod, sled, slide
Flow:
/d//l/ - drool
/I//d/ - bleed, cloud, flood
People:
/d//l/ - doll
/I//d/ - lad, lord
Talk:
/d//I/ - Prolonged, Repetitious: drawl, drill
/I//d/ - Something to Say: plead
Extroverted:
/d//l/ - droll
/I//d/ - laud, loud
N egative:
/d//I/ - Dull: dolt, droll, dull
/bl//d/ - Blank: bland, bleed, blind, blond
/d//r/
N egative:
/d//r/ - Insufficiency: dark, darn, dearth, dirge, dirt, drab, drag, drain, drat, drawn, dreck, dredge, dregs, dross,
drought, drudge, dry
/r//d/ - U npleasantness: brood, crud, crude, fraud, grind, rude, shrewd
/dr//d/-dread
M otion:
/d//r/ - Agentive Subject: dart, draft, drag, draw, drift, drive
/r//d/ - Passi ve Subject: ride, round
Strike/T ouch:
/d//r/ - Strike: darn, dart, dirk, drill, drub
/r//d/ - D estroy: grind, rend, shred
Cover:
/d//r/ - Prepare for: dress
/r//d/ - Hide Away: rind, round, shroud, spread
Drag:
/d//r/ - draft, drag, draw, dredge, drive
Group:
/r//d/ - breed, bride, brood, spread
Land:
$/ \mathrm{r} / / \mathrm{d} /$ - ground, road, strand
Power:
/d//r/ - Action: draft, drench, drive, drown
/r//d/ - Quality: broad, grand, pride, proud, round, spread, stride
Quantity:
/d//r/ - drove
/r//d/ - brood, crowd, grid, round
Read/W rite:
/d//r/ - W rite: draw
/r//d/ - Read: read
Flowing W ater:
/d//r/ - drain, dram, drape, draw, dregs, drench, drink, drip, drool, droop, drop, drown
Spread/Separate:
/r//d/-braid, frond, spread
Containers/Divisions:
/d//r/ - C ontainers: door, drawer
/r//d/ - Divisions: brand, creed, grade, grid, round
H appy:
/d//r/ - dear, dream, droll
$/ r / / d /$ - bride, friend
Insufficiency:
/d//r/ - D anger, Lack: dare, dire, drought, drown, dry
/r//d/ - Leave Behind/Abstain: ground, prude, strand
/r//d/ - T ake: fraud, greed, raid, rid
Sleep/W ake:
/d//r/ - Sleep: dream, drowse, drug
/r//d/ - M ake Active: prod, rod
/g/p/
Grasp/Plug
$/ \mathrm{g} / / \mathrm{p} /-\mathrm{Grab}$ from Behind: grasp, grip, grope
$/ p / / g /$ - Plug from the Front: peg, plug
N egative
/g//p/ - Grumpy: gripe, grump
/p//g/ - plague, prig
H ole:
/g//p/ - Gap: gap, gape, gulp
Stick:
$/ p / / g /-$ peg, (pug), sprig
Takeln
/g//p/-Takeln: gasp, gulp
$/ \mathrm{p} / \mathrm{g} / \mathrm{O}$ - One Who Takes In : pig
Limp
/g//p/ - gimp
$/ \mathrm{p} / / \mathrm{g} / \mathrm{peg}$
$/ \mathrm{g} / \mathrm{t} /$
Take/Get
/g/tt/ - Free: get, gift, grant
/t//g/ - C ompulsion: tag, tug
$/ \mathrm{g} / \mathrm{k} /$
Negative
/g//k/ - M ore U npleasant: gawk, geek, gink, gook, guck, gunk
/k//g/ - M erely M essy: clog, scrag
/g/f/
Stop
/g//f/ - Grasp: gaff
/f//g/ - Block: flag, fog, frog
Strike
/g/ff/-golf
/f/g/ - flog
Negative
/g/f/ - Ridiculous: gaff, gaffe, goof, guff
/f/g/ - Feminine: fag
Grid/W eave
/g//f/ - Flat: glyph, graph
/f/g/ - Linear: fugue
/g/J/
Back and Forth M otion
/g//J/ - Strike: gorge, gouge
/J//g/ - N o Physical C ontact: jag, jig, jog
/g/m/
Dirt
/g//m/ - Sticky: gaum, glom, grime, gum
/m//g/ - Hazy: smog
H appy
/g/m/ - Light, No C ondescension: gleam, glim
$/ \mathrm{m} / \mathrm{g} /$ - Condescension: smug
Gloomy
/g//m/ - gloom, glum, grim
$/ \mathrm{m} / \mathrm{g} /$ - morgue
$/ \mathrm{g} / \mathrm{n} /$
Give/Receive
$/ \mathrm{g} / \mathrm{h} / \mathrm{h}$ - G et F reely: gain, glean
$\mathrm{g} / \mathrm{/n} / \mathrm{-}$ - Give F reely: grant
/n//g - Involve F orce: nag, snag, snug
Complaint
$\mathrm{lg} / \mathrm{n} / \mathrm{-N}$ o Attempt to Get Anything: groan, grunt
$/ \mathrm{n} / \mathrm{g} /$ - Try to G et Something: nag
/g/I/
Symbol
$/ \mathrm{g} / \mathrm{I} /$ - At the End, G oal: goal, grail
/I//g/ - flag
/g/I/I - U gly, Gloomy: gall, ghoul, glob, glom, gloom, glop, glum II//g/ - Slowed D own: clog, flag, lag, log, lug, plague, slag, slog
Sticky/Blocked
/g/II/ - Sticky: glob, glom, glop, glue
/l//g/ - Blocked: clog, plug
Take/Receive
/g//I/ - N o F orce: glean, glib, glyph, gulp
II/g/ - Force is Implied: flag, lag, lug
Guilt
/g//I/ - guile, guilt
Error
$/ \mathrm{g} / / / /$ - Problem with the Thing Acted on: glitch
/l//g/ - Problem with the Person Acting: flag

## Discontent

/g/IIl - T hreaten or Bother: grille, growl
/l/g/ - Strike: flog, slug
Group
$/ \mathrm{g} / / \mathrm{II}$ - Voluntary M embership: guild
$\mathrm{II} / / \mathrm{g} /$ - Involuntary M embershi p: league
M otion
/g/I/I - Smooth: glide
/l//g/ - Encumbered: lug
$/ \mathrm{g} / \mathrm{r} /$
Crest/Cavity
/g//r/ - C avity: gorge, grave, groin, groove
/r//g/ - Crest: crag
N egative
/g//r/ - Sorrow or Anger: gore, grave, gray, grief, grieve, grim, grind, gripe, grit, groan, gross, grouch, grouse,
growl, grudge, grue, gruff, grump, grunt
$/ r / / g /$ - Encumber or Unconcerned: drag, drug, rag, rogue, scrag, shrug
Grasp/Block
/g//r/ - Take: gird, gorge, grab, graft, grasp, graze, greed, grift, grip, grope, grout, grub, guard
$/ \mathrm{r} / \mathrm{g} /$ - Hinder: drag, frog, rag, rug
Plant
/g//r/ - G rain: graham, grain, grass, graze, grist, grits, groats
/r//g/ - N ot G rain: sprig
Preparation
$/ \mathrm{g} / \mathrm{r} \mathrm{r} /$ - G eneral Preparation: gear, gird, grease, greet, groom, ground, grow
$/ r / / g /$ - Preparation for a Specific Event: rig
Dirt
$\mathrm{g} / \mathrm{/r} /$ - D irt Itself: grease, grime
$/ r / / g /$ - F or C leaning D irt: rag, rug
G reatness:
$/ \mathrm{g} / \mathrm{r} /$ - G reatness Itself: grand, great, grin, grit
/r//g/ - C ondescension: brag, rag
/gr//g/ - grig
Grid
/g//r/ - Symmetrical: graph, grate, grid, grill, grille
/r//g/ - U nsymmetrical: rig
$/ \mathrm{p} / \mathrm{t} /$
Put
/p//t/ - H ands: paint, paste, plant, port, post, print, put, splint
/t//p/ - Feet: stamp, step, stomp, tamp, tramp, trip, tromp, troop
Fall/Incline
/p//t/ - Spit: spit, splat, spout, sprout, spurt
/t//p/ - Incline: steep, step, stoop
Energy
/p//t/ - Free: pant, pert, prompt, sport, sprint, sprite, sprout, spurt
/t//p/ - C onfined: strap, stop, tape, trap, trip, trump

## T ouch/Strike

$/ \mathrm{p} / / \mathrm{t} /$ - Intention of C ontact N ot Specified: pat, pelt, pet, print, punt, putt
/t//p/ - C ontact H as Specific I ntent: strap, tap, type
Point
/p//t/ - U nconnected Point: pit, point, spot
$/ \mathrm{t} / / \mathrm{p} /$ - Point Which is Part of Something Else: tip, top
Long/T hin
/p//t/ - Free-Standing Post: post, spit, sprit
/t//p/ - Part of Something E lse: stipe, strap, strip, stripe, stump
Separate/K eep T ogether
/p//t/ - Separate: part, split
/t//p/ - K eep T ogether: strap, tape, trap
Land
/p//t/ - A rea Simply: part, plate, plot
/t//p/ - Land with Specific C haracteristics: steppe
Back and Forth
/p//t/ - H orizontal: plait, pleat
/t//p/ - V ertical: step
|rritate
/p//t/ - Push T oward Something: pest, pit, point
/pl//t/ - Anticipate Something Coming: plant, plot
/t//p/ - Draw T oward Something: tempt
$/ \mathrm{p} / / \mathrm{k} /$
Container/K eep/Stay
/p//k/ - Put Something Somewhere: pack, park, plunk
/k//p/ - Stay or K eep: camp, coop, crypt, keep
Vertical Motion
/p//k/ - D ownward, Away from Self: plunk, puke
/k//p/ - U pward, T oward Self: cup, scoop
Take/Pick
/p//k/ - Acquire Something 0 ne D oes not Possess: peck, pick, pike, pluck, poke, prick
/k//p/ - Retain Something 0 ne Already P ossesses clamp, clasp, clip
Cut
/p//k/ - With a Long, Pointed Object: peck, pike, poke, prick
$/ k / / p /$ - With a Blade: clip, crimp, crop, scrape, sculpt
Strike
/p//k/ - Punishment Implicit: spank
/k//p/ - NoIntent Implicit: clap, clop
Spike
/p//k/ - Point: peak, pick, pike, spike, spoke
Curve
/k//p/ - Curve: cape, cusp, scarp
Spot
/p//k/ - pock, puck, spark, speck
Crumple
/k//p/ - clump, cramp, crimp, crump
Broad and Flat
/p//k/ - Simply Broad and Flat: plank, plaque
/k//p/ - Insight Implied: scope
Energy
/p//k/ - peak, perk, pique, spark, spunk
Cut Short
/k//p/ - clip, scrap, scrimp, cop, skimp, skip

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Trick
    /p//k/ - peek, prank
    /k//p/ - scalp
D erogatory Terms for People
        /p//k/ - pink, prick, punk, spic, spook
        /k//p/ - creep, scamp
Language
    /p//k/ - speak
    /k//p/ - quip, script
/p//z/
Stop
    /p//z/ - Something is M otionless: pause, poise, pose
    /z//p/ - Something D i sappears: zap
/p//f/
Bulge or Wave
    /p//f/ - Bulge: puff
    /f//p/ - W ave: flap, flip, flop
/p//s/
Put/Soak U p
    /p//s/ - Put: pass, place, press, space, splice
    |s//p/ - Speak U p: sump, sap, seep, sip, soap, sop, soup, sup
/p//S/
Contact
    /p//S/ - Press with the Palm: plash, push, splash
    /S//p/ - M ove Something from O ne Place to A nother: schlep, ship, shop
Fancy
    /p//S/ - U pper Class: plush, posh
    /S//p/ - Stylish: sharp
/p//J/
ump
    /p//J/-D own: plunge
    /J//p/ - U p: jump
Steal
    /p//// - N o D eceit: sponge
    /J///p/ - D eceit: gyp
/p//C/
Strike
    /p//C/ - With the H and: pinch, punch
    /C//p/ - With a Cutting Edge: champ, chip, chomp, chop
Apply H eat
    /p//C/ - H eat the Surface: parch, poach
    /C//p/ - Break the Surface: chap
Sound
            /p//C/ - Language: preach, speech
    /C//p/ - Birds: cheep, chirp
/p//m/
Fuzzy
        /p//m/ - palm, plume
        /m//p/ - mop
T ake Up
        /p//m/ - Pump out of Something: plumb, prime
```

/m//p/ - Soak into Something: mop
Prime
/p//m/ - prim, prime, prom
$\underline{U}$ nderstanding
/p//m/ - plumb
/m//p/ - map
/p//n/
Put
$/ \mathrm{p} / / \mathrm{n} /$ - Put $X$ on $Y$ : pin, paint, plant, print, splint $/ \mathrm{n} / / \mathrm{p} /$ - Put $X$ and $Y$ T ogether: snap
Strike/T ake
/p//n/ - Hit: pinch, pounce, pound, prance, print, punch
/n//p/ - Acquire or D estroy: nip, snap, snip, snipe
End/Stop
/p//n/ - Something is Rendered to N othing: pant, punt, spend
$/ \mathrm{n} / / \mathrm{p} /-\mathrm{N}$ othingness is Primary: nap, nope

## /p//I/

Difficulty
/p//I/ - Trouble: plague, plaque, plight
/l//p/ - Failure: flop, limp, lisp, slump
Missing
/p//l/ - Blank: pale, pall, plain
/I//p/ - Limp, Relaxed: Iapse, Iax, limp, slip
Plump
/ $\mathrm{p} / / \mathrm{l} /$ - N o O uter Cover or M embrane/Solid: pelf, pile, plush
/I//p/ - H ollow with M embrane: blimp
/pl//p/ - Solid Interior with O uter Cover: plump, pulp
Fasten:
/p//I/-Block: plug
/I//p/ - Clamp: clamp, clasp, clip
Circular
/pl/ - Intertwined: plait, splice, splint
/pVI/ - O ngoing: purl, spool
/l//p/ - Single: loop
Strike
/pl/ - Abrupt O nset, Encounters Resistance: plash, plod, plow, splash, splat
/pVI/ - O ngoing, Abrupt O nset: peal, pelt, pulse
/l//p/ - Abrupt Ending: clap, clip, clop, flap, flip, flop, Iop, slap
/pl//p/ - plop
W ater
/p//I/ - Splatter, Spread $O$ utward: plash, spill, splash, splat, splay, splotch
II//p/ - U npleasant, Lands on O ne Spot: glop, slop
Put
/p//l/ - Intentional: place, plant, plod, plow, plug, plunge, plunk, splurge
/l//p/ - Random, Clumped T ogether: clump, glop, lump, slop
/pl//p/ - plop
Walk
/p//I/ - Balanced: plod, plow, prowl, pull
/I//p/ - Bouncy or U nbalanced: limp, lope, schlep
W ork/Relax
/p//l/ - W ork: ploy, ply
/I//p/ - Relax: lap, luxe, sleep, slump
Pull/Suck
$/ \mathrm{p} / / \mathrm{l} /-\mathrm{Pull}$ : peel, pluck, plumb, poll, pool
/I//p/ - Suck: Iap, slurp
Carry
/p//I/-D ragged Behind: pull
/l//p/ - Lifted U p: schlep
Separate
/p//I/ - peel, plow, pluck, split, sprawl
Plane/Loop
/p//I/ - Plane: place, plan, plane, plank, plant, plate
/l//p/ - Loop: flip, leap, lip, loop, Iop
$/ p / / r /$
Group
/p//r/ - T wo: pair, par, peer, per, spare
/r//p/ - M ore than T wo: crop, group, troop, troupe
Best
/p//r/ - prime, prince, prize, pro, prof, prom, pure
/r//p/ - trump
Cut
/p//r/ - D estructive: pare, pierce, spar, sprain
$/ r / / p /$ - C onstructive: crop, rasp, reap, rip, scrape
Separate/Bring T ogether
/p//r/ - Separate: parse, part, purge, spurn
/r//p/ - Bring T ogether: grasp, grip, grope, rape, reap
Spread/Cramp
/p//r/ - Spread: sprawl, spray, spread, spring, sprout, spurt
/r//p/ - Cramp: cramp, crimp, crump, scrimp
Creep
$/ r / / p /-0$ ccursin a General Area, Location Forms the Backdrop: prowl /r//p/ - D estination or Purpose Implicit: creep
Other M otion
$/ \mathrm{pVr} /$ - Conveyance Across: port
/pr/ - Powerful D eparture from a Specific Point: prance, spring, sprint
/r//p/ - H eavy Landing: romp, tramp, trip, tromp, troop
Put
/p//r/ - D estination Emphasized: pour, press, prick, print, probe, prod, spray
/r//p/ - D estination N ot E mphasized: rap, rape, rasp, scrape, strap, tramp, tromp
Long, Thin
/p//r/ - Stiff, H ard: probe, prod, prong, prow, spar, spear, sprig, sprit
/r//p/ - Loose: rope, strap, strip, stripe
Stasis
$/ \mathrm{p} / / \mathrm{r} /$ - Put Something Somewhere: park, perch
/r//p/ - Internal: rapt
Platform
/p//r/ - Entry: pier, porch, port
/r//p/ - Incline: ramp
Preparation
/p//r/ - Bring Something About, Activity: perch, preen, prone, spare, spruce
/r//p/ - Quality, Already Brought About: ripe
/pr//p/ - prep, primp, prop
Growth
/p//r/ - Sow: sperm, spore, spring, sprout
/r//p/ - Reap: crop, reap, ripe
Start/End
/p//r/ - Start: prompt, spark, sperm, spur
/r//p/ - End: drop, scrap, strip
Energy
$/ p / / r /$ - Beginning or M iddle of a Process: perk, pert, prance, prod, prompt, spark, sport, spring, sprint, sprite,
spry, spur
$/ r / / p /$ - Result of a Process: crisp, ripe
Concerning U nknowns
/p//r/ - D isclosed: proof, prove, probe, pry
/r//p/ - Kept Secret: crypt
N egative Person
/p//r/ - Victim: poor, prey
/r//p/ - U npleasant Person: crap, creep, frump, gripe, grump, scrap, shrimp, tramp
Lack of $M$ oney
/p//r/ - Q uality: poor, spare, sparse
/r//p/ - Activity: scrape, scrimp
Language
$/ \mathrm{p} / / \mathrm{r} /-\mathrm{O}$ n the Fly: praise, prate, pray, prayer, preach, proof, prose, prove
$/ \mathrm{r} / / \mathrm{p} /$ - Prepared in Advance: script
Growth/D edine
/p//r/ - Growth: spring, sprout, spurt
/r//p/ - D edine: drape, drip, droop, drop, ramp, trip
Constricted
$/ p / / r /$ - Quality of a Person: prig, prim, prude, prune
/r//p/ - Implement Which Constricts: rope, strap, trap, wrap
Point
/p//r/ - Stationary: pearl, pore, sperm, spore, sprat
/r//p/ - D ynamic: drop
/t/k/
Container
/t//k/ - L arge: tank, trunk
/k//t/ - M edium or Small: cast, cot, crate, cunt, quart
Vehicle
/t//k/ - Strong: tank, truck
/k//t/ - Light or M ake-Shift: cart, craft, crate
M otion
/t//k/ - D istance T raversed Is E mphasized: streak, track, trek, truck
/k//t/ - M eans of L ocomotion E mphasi zed: cart, cast, coast, crate, scat, scoot, scout, skate
T ake/G ather
/t//k/ - F astening: tack, take, tuck
/st//k/ - Storage: stack, stock, stoke
/k//t/ - Clotting, C ohesion: cast, cleat, clot, crust
Strength/P ower
/t//k/ - Physical Strength: stark, stock, stroke, torque
/k//t/ - Political, Social or M oral Power: caste, Christ, clout, count, court, crust, cut
Strike/T ouch
/t//k/ - strike, stroke, tack, tuck, tweak
Project
/k//t/ - cast, squirt
Cut Short
/k//t/ - curt, cut, quit, quite, scant, squint
Crafty
/t//k/ - C oncerns a Specific Event: stack, take, trick, tweak
/k//t/ - craft
Littleness
/t//k/ - stork, tyke
/k//t/ - cute, quaint, squirt
Language
/t//k/ - talk
/k//t/ - quote
/t//v/
K eep/Rel ease
/t//v/ - K eep: stave
/v//t/ - Release: vent

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Container
    /t//v/ - stove
    /v//t/ - vat
Quantity
    /t//v/ - trove
    /v//t/ - vast
```

/t/f/
Tough/Fight
/t//f/ - T ough: stiff, strife, tiff, tough
/f//t/ - Fight: feat, fight, fist
Hardened
/t//f/ - stiff
/f//t/ - frost
Stuff/Fit
/t//f/ - Container is Figure: staff, stuff
/f//t/ - Container is Ground: fit

## /t/s/

Stasis
/t//s/ - stance, truss
/s//t/ - fast, frost, last, mist, nest, paste, post, rest, roost, rust, sate, seat, set, sit, site, staid, stale, stall, stance, stand, star, starch, stare, starve, stash, state, staunch, stave, stay, stead, steep(tea), stem(tide), stern, stew, stick, stiff, still, stilt/ed, sting, stint, stone, stop, strain, strand, strap, strict, strike, strip, strong, stub, stuff, stump, stun, stunt
Tense
/t//s/ - stress, task, tax, tense, terse
/s//t/ - stern, strain, stress, stretch, strict, strife, strive, sweat
Completion
/t//s/ - Ending: taps
/s//t// - Inhibit: starve, stave, still, stop, strand, strap, strike, strip, stump, stun
T est/Seek
/t//s/ - taste, test, trace
/s//t/ - scout, stalk
Language
/t//s/ - text
/s//t/ - cite, script, state
Disapproval
/t//s/ - M ere Disapproval: tisk
/s//t/ - Exercises Power: stern, strict
Appealing
$/ \mathrm{t} / / \mathrm{s} /$ - toots
/s//t/ - style, suit, suite, sweet
Toss/Spurt
/t//s/-G oal Is Specified: toss
/s//t/ - G oal N ot Specified: salt, snort, spit, splat, spout, sprout, spurt, squirt, stool, strew, sweat
Trance/Stun
/t//s/ - Self-Induced: trance
/s//t/ - Exercises Power: still, stop, strap, stump, stun
Long/Thin
/t//s/ - tress
/s//t/ - splint, sprit, staff, stake, stalk, stem, stick, stilt, stipe, stitch, straight, strait, strand, strap, straw, streak, stream, street, stretch, string, strip, stripe, strobe, stroke, strum
Strike/Stamp
/t//s/ - trounce
/s//t/ - smite, stamp, stomp, strike, stroke, strum, stub, swat
Trust/Foundation
/t//s/ - Trust: truce, trust, tryst
/s//t/ - F oundati on: stage, stake, stalk, stance, stand, state, stem, stilt, stipe, stool, stump

## /t//S/

Get Rid $0 \mathrm{f} /$ Set Aside
/t//s/ - O bject Set A side is Stationary: stash, trash
$/ s / / t /$ - O bject Set Aside is in M otion: shit, shunt
Quell/Silence
/t//S/ - T emporary: tish, tush
/s//S/ - Long Term: shut
/t/J/
Comic
/t//J/ - stooge
/J//t/ - jest
A Taste Of
$/ \mathrm{t} / \mathrm{J} / \mathrm{S}$ - Static, C oncerning Sensations tinge, twinge
/J//t/ - D ynamic, C oncerning T hought or Action: gist, just
/t/C/
Strong/Staying Within the Boundaries
/st//C/ - Strong: staunch
/C//st/ - Clean: chaste
D eceit
/t//C/ - stretch
/C//t/ - cheat
Language
/t//C/ - teach
/C//t/ - chat
/t/m/
W ater
$/ \mathrm{st} / / \mathrm{m} /$ - At the H igh Point: steam, storm, stream
$/ \mathrm{m} / \mathrm{t} /$ - Transition, 0 n the Boundary: melt, mist, moat, moist, smelt
Group/Gathering
$/ \mathrm{t} / / \mathrm{m} /-\mathrm{M}$ any Already G athered: team, teem
$/ \mathrm{m} / \mathrm{t} /$ - Beginnings: mate, meet, milt, mount
Touch/Strike
$/ \mathrm{t} / \mathrm{m} /$ - Directed T oward a F uture G oal: steam, storm, tame, trim
$/ \mathrm{m} / \mathrm{t} /$ - For Something in the Past: mete, smite
M uchness
/t//m/ - D ynamic: steam, stream
$/ \mathrm{m} / \mathrm{t} /$ - Static: meat, might, most
Smallness/Ending
/t//m/ - C onclusion: term, tomb
$/ \mathrm{m} / / \mathrm{t} /$ - Small, Silent, Irrelevant: mite, moot, mote, mute
Limitation
/t//m/ - tame
/m//t/ - might, must
L ose F eathers/H air
$/ \mathrm{t} / / \mathrm{m} /$ - trim
/m//t/ - molt
Begin
/t//m/ - stem
/m//t/ - mount
/t/n/
Quantity
$/ t / / n /$ - T en, T wo: teen, ten, ton, twain, twin
/n//t/ - N othing: naught, not

## Knot/T wisting

/t//n/ - turn, twine
/n//t/ - N et: net, knit, knot
Container
/t//n/ - stein, tin, tun
$/ \mathrm{n} / \mathrm{/t} /$ - Small: nest, nut
Music
/t//n/ - Emphasis on the Sound: strain, tone, tune
/n//t/ - Emphasis on the L ocation: note
Absence/N othingness
/t//n/ - Bring to N othing/Blankness: stone, stun, trance
/n//t/ - N othingness I tself: night
Direction/T endency
/t//n/ - D irect: train
/t//n/ - T endency, T aste of: taint, taunt, tend, tinge, tint, trend, twinge
/n//t/ - Succession: next
Get Rid $0 \mathrm{f} /$ Set Aside
/t//n/ - stern, strain, tense
/n//t/ - snit
/t/l/
Turn/Slant
/t//l/ - Turn: till, tilt, trill, troll, twill, twirl
/I//s/ - Slant: slant
Sound
/t//I/- O ngoing: trill, troll
/l//t/ - Limited in Time: blast, bleat, blurt, flirt
Effort/Trouble
/t//I/-Effort: till, toil, tool
/I//t/ - T rouble: blight, blot, flat, least, plight
N egative Person
/t//I/ - troll
/I//t/ - lout, slut
D estruction//D iscontinuance
/s//I/ - Loses M omentum Inwardly: stale, stall, still
/I//t/ - Impaired from W ithout: blast, blot, blunt, clot
Take
/t//I/ - steal, toll, trawl
/l//t/ - lift, loot
Tall/Flat
/t//I/ - T all: stilt, tall
/l//t/ - Flat: flat, plate, pleat, slate
Long/T hin
/t//l/ - tail
/I//t/ - flute, pleat, slat, slit, slot, splint
M otion
/t//I/ - On Earth: steal, stroll, trail
/I//t/ - U pward: fleet, flight, flit, float, lift, light, loft
Follow/Remain
/t/II/-Follow: tail, trail, trawl
/I//t/ - Remain: last, list
Ending
/t//l/- tail, till
/I//t/ - last, late, least, left, lest, Lent, let, slight
Foundation
/t//I/ - Turn: stile, stilt, stool
Cunning
/t/II/ - Implies a G oal: steal, stealth

II/t// - No G oal Implied: glint, gloat, sleight
Approach to Something
/t/II/ - style
II//t/ - slant
Showing Off
/t//I/ - style
II/t/ - clout, flaunt, flirt, flout, glint, gloat

## Enjoyment

/t//I/ - Turn: style, troll
I//t/ - flirt, float, glint, gloat, lift, light, lilt, lust
/t/r/
Linear
/t//r/ - stair, strand, strap, straw, streak, stream, stretch, string, strip, stripe, strobe, track, trail, train, tree, trench, tress, trough, trunk
/r//t/ - sprit
/tr//t/ - straight, strait, street
Steer. Trace vs. Root Brunt
/t//r/ - Steer/T race: steer, trace, track, trail, train, trawl, tree(v), trend, turn
/r//t/ - Root/Brunt: brunt, Christ, crest, fruit, root, sprout, thrust
Paths/Roads
/t//r/ - Simply Exists: stair, stream, street, stretch, strip, track, trail, trench, trough
/r//t/ - D irected to a Place: route
Cunning
/t//r/ - Single Event: trap, trick, trip, turn
/r//t/ - C apacity: craft, droit, grift
M otion
/t//r/ - stray, streak, stream, stride, strike(out), stroll, strut, tour, train, tram, tramp, trawl, tread, trek, trip,
tromp, troop, truck, trudge
/r//t/ - crate, draft, drift, freight, raft, rout, sprint
$/ \mathrm{tr} / \mathrm{t} /$ - trot
Strapped/Rooted
/t//r/ - starch, store, strap, tar, term, troth, truss
/r//t/ - drought, frost, rest, roost, root, rut, thrift
Strict/Rote
/t//r/ - stern, terse
/r//t/ - rate, right, rite, rote
/tr//t/ - straight, strict
Tire/Rot/Rust
/t//r/ - starve, strand, strike, strip, terse, tire
/r//t/ - drought, frost, roast, root, rot, rout, rust
/tr//t/ - trite
Trap/W rest/Root Out
/t//r/ - strip, trap, trump
/r//t/ - draft, grift, rent, root, rout, wrest, thrift
Tear/Grate
$/ \mathrm{t} / \mathrm{/r} /$ - tear, trim
/r//t/ - grate, rift
Strange/Rapt
/t//r/ - stare, stark, strange, strike, trance
/r//t/ - rapt
Stress/Riot
/t//r/ - storm, strain, stress, stretch, strife, strike, strive, torque, try
/r//t/ - grunt, prate, rant, riot, rout
Strong/Bright
/t//r/ - star, stark, strike, strong, torque, troll, trove, trump, trunk, try
/r//t/ - bright, front, grant, great, greet, grist, prompt, raft, rapt, sprite
Frustration
/t//r/ - strain, stress, strife, tear, tire
$/ r / / t /$ - drat, fret, fright, grate, grunt, rout, rut, threat
Initiation/Creation
/t//r/ - stir, stork, strike(out)
/r//t/ - craft, draft, sprout, wright
/tr//t/ - start
Contact
/t//r/ - strike, stroke, strum, tramp, tread, tromp, trounce
/r//t/ - print, thrust
/tr//t/ - treat
Which? W ords Implying 0 ptions
/t//r/ - stair, strain, term, tier, tract, trade, trend
/r//t/ - rate, route
/tr//t/ - trait
Quantity
/t//r/ - streak, stream, tribe, trick, troop, trope, troupe, trove
/r//t/ - fraught, graft, grant
Turning
/t//r/ - steer, stir, tire, torque, trade, trill, turn, twirl
/r//t/ - script, wrest, wrist, writ, write
Light/Fire
/t//r/ - star, strobe, torch
$/ r / / t /$ - bright, drought, frost, roast
Truth/Right
/t//r/ - troth, truce, true, trust, tryst
/r//t/ - Christ, right
Derogatory Terms for People
/t//r/ - trash, turd, twerp
/r//t/ - brat, brute, grit, rat, rout, runt, rust
$/ \mathrm{k} / / \mathrm{z} /$
End
/k/|z/ - close
|z//k/ - zonk
/k//f/
Contact
/k//f/ - cuff, scuff
/f//k/ - flick, frisk
Dysfunction/Failure
/k//f/ - D ysfunction: cough
/f//k/ - Failure: flunk, fuck
Criticism
/k//f/ - Frivolous C omplaint: scoff
/f//k/ - Complaint about a Real Problem: flak, frank
Dirt
/k//f/ - fleck
/f//k/ - scuff
$/ \mathrm{k} / / \mathrm{s} /$
Closeness/C ontact
/k//s/ - close, coax, crease, cross, crux, kiss
/s//k/ - seek, sic, sink, soak, suck
Container
/k//s/ - case, sconce
/k//s/ - cirque, sac, sack, sconce, sink, sock
N egative
/k//s/ - C oarse, C oncerns Behavior: coarse, crass, curse, cuss, klutz
/s//k/ - concerns the P syche: psych, sick, sink, sulk

## /k//S/

Clash/Shirk
/k//S/ - Bring T ogether: clash, crash, crush, quash, squash, squish
/S//k/ - Separate: shake, shirk, shrink, shuck
N egative
/k//S/ - D estroy: crush, squash
/S//k/ - G reat Psychologi cal U pset: shock, shriek
M oney
/k//S/ - cache, cash
/S//k/ - shark
/k//J/
Reactive M otion
/k//s/ - cringe
/k//J/-jerk
/k//C/
Destruction
/k//C/ - By Smashing: clench, clinch, crouch, crunch, quench, scrunch, squelch
/C//k/ - By Rejection: chuck
Catch/H old
/k//C/ - Purpose is to H old: catch, clinch, clutch, crotch
/C//k/ - M eans is H olding: choke
M ark
/sk//C/ - scorch, scotch, scratch, sketch
/C//k/ - chalk, chink
Support
/k//C/ - Support U nderlies the Process: coach, crutch
/C//k/ - Support Comes after the Process: check
/k/m/
Cover
$/ \mathrm{k} / / \mathrm{m} /$ - Floats to the $T$ op of a Liquid: cream, scum, skim
/m//k/ - Attire, Perfume: mac, mask, mink, musk, smock
Dirt
/k//m/ - Part of Something Else: crumb, scum
$/ \mathrm{m} / / \mathrm{k} /$ - N ot Part of Something Else: muck, smoke
Cunning
/k//m/ - Action: crime, scam, scheme
$/ \mathrm{m} / / \mathrm{k} /-$ Quality: murk
D isapproving/U pset
/k//m/ - U pset: qualm, scream, squirm
/m//k/ - D isapproving: mock, smirk

## Come T ogether

/k//m/ - Stays T ogether: clam, cram
/m//k/ - Comes A part A gain: smack
C alm/M eek
/k//m/ - Center in the Self: calm
/m//k/ - Subordinate: meek, milk
Milk
/k//m/ - Emphasizes C overing on the Surface: cream, skim
/m//k/ - The 'M eat': milk
/k/n/
Container/N ook
/k//n/ - C ontainer: can, conch, cunt, kiln, sconce, skin
/n//k/ - N ook, C orner: nick, nock, nook

## Bend/Corner/Crumple

/k//n/ - Crumple, T urn in on Itself: clench, clinch, cringe, crunch, scrunch, squint
/n/k/ - Small C revasse M ade by Something Else: nick, nock, nook
Contact
/k//n/ - D estroy: can, skin
/n//k/ - Strike: knock, nick
Competence/Ability
$/ \mathrm{k} / \mathrm{n} / \mathrm{-}$ - K now ledge, C oncerning the M ind: can, con, keen
/n/k/ - Concerning Action: knack
Cunning
/k//n/ - con
/n//k/ - sneak
Long/Thin
/k//n/ - skein
/n//k/ - neck, snake
/k/I/
Cover
/k/II/ - Protect: clad, cloak, cloth, clothe, clothes, cloud, kilt, quilt, scalp, skull
II//k/ - Interfere: blink, block, lock, plaque
U nclarity/Seeking Out
/k//I/ - Unclear: cloud, clue
/I//k/ - Seeking 0 ut: flick, lurk, slink
/kl//k/ - skulk
Negative
/k/II/ - Comic, Inept: clod, clown, klutz
/I//k/ - W eak: flak, flunk, lack, leak, schlock, slack
Groups
/k/I// - Intentionally Joined: clan, class, clause, clone, club, clump, cult, scale, school
/l//k/ - Unintentionally Joined: bloc, block, flock
/kl//k/ - clique
Groups
/k/II/ - D estroy, Agentive: clip, close, kill, quell, squelch
II//k/ - N on-Agentive: black, blank, bleak, lack, lank
Classy
/k/II/ - Exclusive: class, click, clique, clout, club, cold, cool, cult
II//k/ - N on-Exclusive: sleek, slick
Acquistion
/k/II/ - Item is Kept: call, claim, close, cull
II//k/ - Item is C onsumed or Expires: lick, pluck, slake
/kl//k/ - clink
Hold/N atural Attraction
/k/II/ - H old: clam, clamp, clasp, claw, cleat, cleave, clench, clinch, cling, clip, clog, close, clot, clump,
clutch, quill
II//k/ - N atural Attraction: like, link
/kl//k/ - click
Indine
/k/II/ - cliff, climb, cline, scale
Strike
/k/I// - Repetitive Striking of T wo Surfaces: clap, clip, clop
II//k/ - O bject Separated from the Subject: flick, plunk
/kl//k/ - click
Bend
/k/II/ - Circle: coil, curl
II//k/ - Wave: flex, flux
Learning/Luck
/k/II/ - Learning: clue, school, skill
/I//k/ - Luck: fluke, flux, lark, luck
Unhappy/H appy
/k/II/ - U nhappy: cold, cool, scold, squeal
/I//k/ - H appy: lark, like, luck
Motion
/k/II/ - clip, crawl, scull
/I//k/ - slick, slink
$/ \mathrm{k} / \mathrm{r} /$
Something W hich H olds/Supports/Fastens
$/ \mathrm{k} / / \mathrm{r} /$ - H old by F orce: cord, crane, crutch, screw
/r//k/ - Held N aturally: rack
Cover
/k/r// - Protective: cork, scar, scarf
$/ \mathrm{k} / \mathrm{r} /$ - D ecorative: frock
Crush/Shrink
/k//r/ - By F orce: cram, cramp, crimp, crowd, crump, crunch, crush, kern, scrimp, scrunch
/r//k/ - Freely: shrink
Waves/Curls
/k//r/ - Thing: crease, crepe, cross, crouch, curb, curl, curve, screw, scroll, square
/r//k/ - M otion: rock
/kr//k/ - crick
Area
/k//r/ - court
/r//k/ - rink, tract
Container
/k//r/ - crate, creel, crib, crotch, crypt, quart
/r//k/ - trunk
/kr//k/ - crock
Vehicle
/k//r/ - car, cart, craft
/r//k/ - truck
M otion
/kr/ - crate, crawl, cruise, scram
/k//r/ - cart, course, skirt
/r//k/ - brisk, streak, trek, truck
Path
/k//r/ - course
/r//t/ - track
Groups
/k//r/ - corps, court, crew, crop, crowd
/r//k/ - trick
Rank
$/ \mathrm{k} / \mathrm{r} /$ - People in H igh Position: Christ, court, cream, crèche, crown, crust
/r//k/ - Ranks in General: rank
Crime/Evil
/kr/ - Cunning and M ystery Implied: craft, creep, crime, cringe
$/ \mathrm{k} / / \mathrm{r} /$ - C arefulness: card, care
/r//k/ - Surprise: prank, trick
/kr//k/ - crack, crook
Fear/Anger
$/ \mathrm{k} / / \mathrm{r} /$ - curse, cry, scare, scorn, scram, scream, squirm
/r//k/ - risk, shriek
/kr//k/ - skreak
Acquistion
$/ \mathrm{k} / / \mathrm{r} /$ - crave, score, scour, screen, scrounge
/r//k/ - frisk
Kindness

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                            /k//r/ - care, court, cure
    /r//k/ - stroke
D erogatory T erms for People
    /k//r/ - card, crab, creep, crumb, queer, squirt
    /r//k/ - freak, prick
    /kr//k/ - crank
Anger/D ismissal
    /k//r/ - cross, curse, curt
    /r//k/ - brusque
Trash
    /k//r/ - crap, crud, scrag, scrap, scree
    /r//k/ - dreck
Coarse
    /k//r/ - coarse, crass, crude
M isfit
    /k//r/ - craze, queer
    /kr//k/ - quirk
Strike
    /kr/ - Crumple: crash, crumb, crunch, crush
    /skr/ - Cut Surface: scrape, scratch, scrub
    /k//r/ - D eeper Cut: carve, scar, scorch, scourge
    /r//k/ - Leave O bject Struck Intact: prick, strike
Break
    /kr/ - O bject is D oes N ot LoseIts I dentity: crop, crunch, crush, screw
    /r//k/ - O bject Is N o M ore: break
    /kr//k/ - crack
Writing
    /k//r/ - Emphasizes the W riting: scratch, scrawl, scribe, script, scroll
    /r//k/ - Emphasizes the Line: streak, stroke
Inanimate Sound
    /k//r/ - Single T hing Collapsed in on Itself: crunch
    /r//k/ - O ne T hing Strike A nother: strike, stroke
    /kr//k/ - crack, creak
Animate Sound
    /k//r/ - croon, cry, scream, screech
    /r//k/ - shriek
    /kr//k/ - croak, screak
End/D estroy
    /kr/ - D estruction: clear, corpse, crash, crunch, crush, scrap, screw
    /r//k/ - brake, break, strike, wreak, wreck
Empty, Few Resource
    /k//r/ - clear, scarce, scrap, scrub
    /r//k/ - broke
Beginning
    /k//r/ - carve, crank, scare
    /r//k/ - brink
    /kr//k/ - crank
Root/Core
    /k//r/ - core
    /r//k/ - trunk
    /kr//k/ - crux, quark
W ater
    /k//r/ - squirt
    /r//k/ - brook, drink
    /kr//k/ - creek
/v//s/
Competence
```

```
    /v//s/ - verse
    /s//v/ - solve
Service
            /v//s/ - vice
    /s//v/ - serve
Problem
    /v//s/ - vex
    /s//v/ - save, salve, serve, solve
H old
    /v//s/ - vise
    /s//v/-sieve
/v//m/
Energy
    /v//m/ - vim
    /m//v/ - move
/v//n/
Long/T hin
    /v//s/ - vein, vent, vine
    /n//v/ - nerve
/v//l/
Indentation
    /v//l/ - vale
    /I//v/ - cleave
Container
    /v//s/ - veil
    /l//v/ - glove
Energy
    /v//l/ - volt
    /l//v/ - live, live, love
/v//r/
D eviate
    /v//r/ - veer
    /r//v/ - rove
Energy
    /v//r/ - verb
    /r//v/ - brave, drive, rave, rev, strive, thrive, trove
    /v//rv/ - verve
Just Beyond Reach
    /v//r/ - verge
    /r//v/ - crave
Competence
    /v//r/ - verse
    /r//v/ - prove
/z/|/
Energy
    |z/|l/ - zeal
    /I//z/ - blaze, glans, lase, lens, please
N othing
    /z//|/ - Quantity: zilch
    II//z/ - Action: cleanse, close, glaze, lose, please
|z//r/
Climax
```

|z/|r/-tzar
/r//z/ - prize, raise
/f//s/
Waves
/f//s/ - flex, flounce, flux
/s//f/-surf
Well-Being
/f//s/ - fix
/s//f/ - safe
Self
/f//s/ - face
/s//f/-self
/f//m/
Fluff
/f//m/ - Surface: film, foam
/m//f/ - muff
/f/n/
End/D estroy
/f//n/ - fence, fend, flinch
/n//f/ - snuff
Locate
/f//n/ -find, phone
/n//f/ - sniff
/f//l/
Fall/Incline
/f//l/ - Fall: fall, fell, floor, flop
/l//f/ - Incline: bluff, cliff
Filth
/f//I/ - O ther: filth, flak, flu
II//f/ - Excretions: lymph, phlegm, slough
Flight
/f/I// - Intransitive: flag, flap, flight, float, flue, fly
/I//f/ - T ransitive: lift, loft
Fluff
/f//I/ - felt, flax, fleece, floss, frill
/I//f/- loaf, phlox
/fl//f/-fluff
Flat
/f//I/- field, film, flake, flat
/I//f/- leaf
H appy
/f//l/ - fall, feel, fill, flair, flare, fleet, flaunt, flip, flirt, floor, flounce, flout
/I//f/ - laugh, life
Fail
/f//l/ - U nsuccessful Project: fail, fall, fault, flag, flaw, flinch, flop, flub, flunk, foil, fold, fool, foul, frail /I//f/ - N on-Existent Project: left, loaf

## Fold/Crevasse

/f//I/ - Fold: flute, fold, full, furl
/I//f/ - Crevasse: cleft
F alse/U nclear
/f//l/ - False: false, filch, fleece, foil, fool, foul
/I//f/ - U nclear: glyph
Flap/T hrow
/f//I/ - Flap: flag, flail, flap, flay, flex, flick, flinch, fling, flip, flog, flop, flux

II/f/ - Throw: loft, slough
Fly, Float
/f/II/ - Fly and Float: flight, flit, float, floe, flood, flow, flume, fly
Flee
/f/II/ - G et A way F rom: flee, flight, fly
II/ff/ - Get Rid Of: slough
Full
/f//I/ - fill, flab, fleet, flesh, flush
II/f/floaf
/f/r/
Destruction
$/ f / / r /$ - fire, floor, freeze, fry /r//f/ - brief
Create, Form
/f//r/ - farm, forge, form, frame
/r//f/ - craft, draft, graph, proof, phrase
Motion
/f//r/ - Intentional: fare, ford, forge, freight
/r//f/ - N atural: draft, drift, raft, trough
Deceit
/f//r/ - farce, fraud, fraught
/r//f/ - craft, grift
Fluff/Rough
$\mid f / / r /$ - Frizz and Fuzz: fern, fir, fork, frappé, frill, fringe, frizz, frond, frost, fur, furl
/r//f/ - Rough: reef, rough, ruff
Acquistion
/f//r/ - fare, frisk
/r//f/ - draft, grift, graft, ruff, thrift
Anger
/f//r/ - Victimizer: fierce, fire, force, fray, fret
/r//f/ - Victim: grief, gruff, rift, rough, strife
Fear
/f//r/ - fart, fear, frail, freak, fright, frown, fruit, frump
$/ r / / f /$ - grief, strife
Firm, Strong
/f//r/ - N o Emotion: firm, force, fort, frank
$/ r / / f /$ - Emotion: gruff, rough
Plenty
/f//r/ - fraught
/r//f/ - raft, rife
Group
/f//r/ - farm, firm, force
/r//f/ - draft
Frame, Container
/f//r/ - form, frame
/f//r/ - sphere
Rift, Crevasse
/f//r/ - fjord, ford
/r//f/ - rift, trough
/T//r/
Insufficiency
/T//r/ - thirst, thrift, thwart
/r//T/ - wraith
True, Strong
$/ \mathrm{f} / \mathrm{r} /$ - Strong: thrift, thrive, throng
/r//T / - T rue: troth

## Excitement

/T //r/ - threat, thrill, throb, throe
/r//T / - breath, wrath
Rhythmical
/T//r/ - throb, thrum
/r//T / - breath
/s/J/ $/$
Energy
/s//J/-surge
/J//s/ - juice
Interfere
/s//J/-siege
$/ / / / s /-j i n x$
/s/C/
Seek
/s//C/ - search
/C//s/ - chase
Choice
/s//J/ - such
/C//s/ - choice
$/ \mathrm{s} / \mathrm{m} /$
Similar, Combined
/s//m/ - Similar: same, seem
$/ \mathrm{m} / / \mathrm{s} /$ - Combined: mass, mess, mix, muss
Quantity
$/ \mathrm{s} / / \mathrm{m} /$ - N umbered: some, sum
$/ \mathrm{m} / / \mathrm{s} /-\mathrm{N}$ ot N umbered: mass, mess
/s/n/
Sense, K nowledge
$/ \mathrm{s} / / \mathrm{n} /$ - Sense: scene, scent, sign, sound
/n//s/ - Knowledge: nous
/s//ns/ - sense
Time
/s//n/-soon
/n//s/ - nonce
/s//ns/ - since
Absence
/s//n/-sans
/n//s/-nix
Relative
/s//n/ - son
/n//s/ - niece
Ropeln
$/ s / / n /$ - cinch
/n//s/ - noose
/s/l/
M otion
/s//I/ - Smooth: sail, scale, scull, skulk, sled, slink, slip, slog, sloop, slosh, steal, stroll
/l//s/ - Bouncy: flounce
Smooth
/s//I/ - sail, silk, sled, sledge, sleek, sleigh, slick, slide, slip, sluice
Reflected Light
/I//s/ - glance, glass, glimpse, gloss

## Curve

/s//I/ - scroll, spool, stile, swirl
/I//s/ - flex, flounce, flux

## D ecrease

/s//l/ - Incline: scale, slant, slide, slope, stile
/I//s/ - Quantity: least, less
Cut
/s//l/ - scald, sculpt, slash, slice, slit, split
/I//s/ - Iance, lyse
Contact
/s//I/ - F orce: slam, slap, sling, slog, slug
/I//s/ - N o Force: place
Destruction
/s//I/ - slay, squelch
/I//s/ - blast, blitz
W ater
/s//I/ - M otion: slop, slosh, slough, spill, splash, splat, splay, spleen, splotch, squall
/I//s/ - C ontainer: cell, flask, glass
Cover
/s//I/ - scale, scalp, seal, skull, slab, slag, slate, sleeve, slip, stole
/I//s/ - blouse, fleece
Long/T hin
$/ \mathrm{s} / / \mathrm{l} /-$ sill, slat, slit, slot, spline, splint, stilt
/I//s/ - flax, floss, lace, lance
Loose
/s//l/ - D ysfunction: slack, slang, sleep, sloth, slouch, slow, slump, slur, snail, sprawl, stale, stall, still
/I//s/ - N o D ysfunction: lapse, last, lax, loose
Blame/Bless
/s//I/ - Blame: scold, snarl, squeal
/I//s/ - Bless: bless
$\underline{U n p l e a s a n t}$
/s//I/ - D irty: silt, slag, slime, slob, slop, slosh, slough, sludge, slum, slump, slush, slut, smell, stool, sulk
/I//s/ - Incompetent or D ishonorable: klutz, last, louse, Iynx
Combine
/s///I - smelt, splice, splint
/I//s/ - clasp
H appy
/s//l/ - smile, style
/I//s/ - blast, bless, bliss, class, lust, luxe
Deceptive
/s//l/-Stealthy: skulk, sleuth, slink, slip, sly, steal, stealth
/I//s/ - Superficial: glitz, gloss
Buy
/s//I/ - Permanent: sale, scalp, sell, splurge
/I//s/ - T emporary: lease
M uch, Group
/s//I/ - scale, slate, slew, spell, sprawl, still, swell
/I//s/ - class, list, plus
Little
/s/Il/ - Small Amount or Size: slice, slight, slim, slit, slow, small
/I//s/ - Ending: close, last, least, less, lest, loss
/s/r/
Shapes
/s//r/ - D on't I ntersect: cirque, sphere, square, star, straight /r//s/ - Intersect: cross
Circular
/s//r/ - screw, scroll, sprain, squirm, steer, stir, swerve, swirl
/r//s/ - wrest, wrist
Long/Thin
/s//r/ - N ot Rooted: screw, spear, sprit, stair, straight, strait, strand, strap, straw, streak, stream, street, string, strip, stripe, strobe, sword
/r//s/ - Rooted: grass, tress
Extension
/s//r/ - smear, spare, splurge, sprawl, spread, spree, stark, stray, stream, stretch, strew, swarm
$/ r / / s /$ - grease, press, rinse, thrust
Beginning
$/ s / / r /$ - scare(up), scratch, serve, source, spark, sperm, spore, sprout, spur, start, stir, strike(out)
Spray/T hrust
/s//r/ - spark, spray, sprig, spring, sprout, spurt, squirt, storm, stream, strew
/r//s/ - thrust
Energy
/s//r/ - smart, spark, sport, spree, spring, sprite, spruce, spry, stride, strut, surf
/r//s/ - brisk, brusque, crisp, prance, risk
Serve, Trust
/s//r/ - Serve: serf, serve
/r//s/ - T rust: grace, truce, trust, tryst

## Stress

/s//r/ - squirm, stare, stern, stir, storm, strain, stretch, strict, strife, strive, strong, surge, swear
/r//s/ - brace, brusque, crisp, press, race, trounce
/s//rs/ - stress
Scream
/s//r/ - scare, scorn, scram, screak, scream, screech, slur, smear, smirch, snarl, snort, strike, stroke
/r//s/ - grouse
M oney
/s//r/ - Scarcity: scarce, scrimp, scrounge, spare, starve, store
/r//s/ - grist, price
/s//rs/ - sparse
Constrain
/s//r/ - screw, scrunch, starch, strap, strict
/r//s/ - brace, brusque, crease, press, truss
Rest
/s//r/ - snore
$/ r / / s /$ - rest, roost, trance
Unpleasantness
/s//r/ - C riticize: scar, scare, scorch, scorn, scourge, screw, slur, smart, smear, smirch, smirk, snarl, sneer, spurn,
squirt, stern, strange
/r//s/ - U npleasant T hings: crass, gross, grouse, rust
Dirt
/s//r/ - scrag, scrap, scree, smirch
/s//r/ - dross, grease, rust
Cut
/s//r/ - scar, scarp, scourge, scrape, scratch, scrub, sore, spear
/r//s/ - rasp
Touch
$/ s / / r /$ - Linear: strike, stroke, strum
/r//s/ - dress, frisk, thrust, trounce
Fire, Frost
/s//r/ - scorch, sear, sere, spark, star, strobe
$/ \mathrm{r} / / \mathrm{s} /$ - frost, roast
Destruction
/s//r/ - scrap, scratch, screw, scrunch, strike, strip
/r//s/ - rest, rinse, roast
Seek
/s//r/ - score, scour, screen, scrounge, search, strike
/r//s/ - trace

## Acquisition

$/ \mathrm{s} / / \mathrm{r} /$ - slurp, snare, strike, strip
/r//s/ - frisk, grasp
Filter Out
/s//r/ - score, screen, sort, strain
/r//s/ - rinse
M otion
/s//r/ - scram, soar, spring, sprint, stair, stray, streak, stream, stride, strike(out), stroll, strut, surf, swerve
/r//s/ - cross, prance, press, race
Writing
/s//r/ - scratch, scrawl, scribe, script, scroll
People at the Top
/s//r/ - sir, sire, star
/r//s/ - Christ, crust, priest, prince
Indine, Bump
/s//r/ - Incline: scarp, stair
/r//s/ - Bump: breast, crest
Covers
$\mid s / / r /-s c a r$, surf
/r//s/ - crust, dress, rust
/S/II/
Pull
/S//I/ - schlep
/I//S/ - leash
M uchness
/S//I/ - T oo M uch of a Bad Thing: schlock, schmaltz
II//S/ - Fullness: blush, flesh, flush, lush, plush
Shallow
/S//I/ - shale, shawl, shelf, shell, shelve, shield, shoal
Strike
/I//S/ - clash, flash, lash, slash
W ater
/S/II/ - Formed by W ater: shale, shell, shoal
II//s/ - M otion of W ater: plash, slosh, slush, splash
/S//r/
Sharp/Break
/S//r/ - Sharp: shard, sharp, shear, sheer, shred
/r//S/ - Break: crash, crush, thrash, thresh
Throw Off
/S//r/ - shirk, shrug
/r//S/ - trash
Small, N ew
/S//I/ - Small: sheer, short, shred, shrimp, shrink
/r//S/ - N ew: fresh
Shrewd, Brash
/S//I/ - Shrewd: shark, sharp, shrew, shrewd
/r//S/ - Brash: brash, fresh, rash
Temple
/S//r/ - shrine
/r//S/ - crèche
Bush
/S//r/ - shrub
/r//S/ - brush
/J//n/
Back and Forth M otion
/J//n/ - No C ontact: jaunt, jounce
/n//// - Contact: nudge
/J//I/
Viscous
/S//I/ - N ot D irty: gel, jell
/I//J/- Dirty: sludge
Place W here People Stay
/J//I/- Involuntarily: jail
/I//J/ - Voluntarily: lodge, lounge
Sudden M ovement
/J//l/ - jolt
/I/I// - D ownward: lunge, plunge
/J//r/
Criticism
/J//r/ - Criticize: jeer
$/ r / / J /$ - Criticized: cringe
M ove Something
/S//I/- J oggle: jar, jerk
/r//J/ - Acquire: dredge, scrounge
/C//m/
Friendship
/C//m/ - Emotion: charm, chum
/m//C/ - No Emotion: match

## /C//n/

Acquisition
/C//n/ - K eep: chain /n//C/ - T ake Away: snatch, snitch
/C//I/
Beginning
/C//I/ - child
/I//C/ - launch, lurch
Absence
/C//I/ - Of H eat: chill
/I//C/-Of C olor: blanch, bleach
/C//r/
Support
/C//r/ - chair
/r//C/ - breech, crutch
M ark
/C//r/ - char
/r//C/ - scratch
Start
/C//r/ - charge
/r//C/ - broach
Extend
/C//r/ - charge
/r//C / - reach, stretch
Turn
/C//r/ - churn
/r//C/ - crouch, wrench
Cheer
/C //r/ - charm, cheer, chirp

Sound
/C//r/ - H appy: chirp, chirr, churr
/r//C/ - N ot H appy: screech
$\underline{U}$ npleasant Person
/C//r/- churl
/r//C/ - grouch, roach, wretch
/m//n/
Central
$/ \mathrm{m} / \mathrm{n} / \mathrm{n}$ - main, mean
$/ \mathrm{n} / / \mathrm{m} /$ - norm
Man, Name
$/ \mathrm{m} / \mathrm{n} / \mathrm{-man}$
$/ \mathrm{n} / / \mathrm{m} /$ - name
/m/II/
Acquistion
/m/II/ - mail
$11 / / \mathrm{m} /$ - claim, plumb
M old, Slime
$/ \mathrm{m} / \mathrm{II}$ - mold, mole
II//m/ - lymph, phlegm, slime
Soil
/m//Il/ - mulch
/1//m/-loam
Particles
/m/ll/ - mill, milt, mold
Growth
II/m/ - blimp, bloom, climb, plump
Smallness
$/ \mathrm{m} / \mathrm{Il} /$ - melt, mild, moll, small
Gloom
/I//m/ - blame, clam, gloom, glum, loom, slam, slime, slum, slump
M elt, Lame
/m/II/ - Is D estroyed: maul, melt
$\mathrm{Il} / \mathrm{m} /$ - Retains its Identity: Iame, limp, slump
Combine
$/ \mathrm{m} / \mathrm{Il} /$ - T wo Things Join T ogether: meld, melt, smelt
$\mathrm{II} / \mathrm{m} /$ - Things are J oined Into 0 ne Formless $M$ ass: clump, lump
Slow Down
$/ \mathrm{m} / \mathrm{ll} /$ - mule, mull
II/m/ - H old Back: clam, clamp, clump, glom
Happiness
$/ \mathrm{m} / \mathrm{ll} /$ - melt, smile
Il//m/ - flame, gleam, lamb
$/ \mathrm{m} / \mathrm{rr} /$
Dirt
$/ \mathrm{m} / / \mathrm{r} /$ - mar, mark, smear, smirch
/r//m/ - crumb, grime
Touch, Strike
$/ \mathrm{m} / \mathrm{r} /$ - The 0 bject T ouched is Altered: mar, smear
/r// - T he O bject T ouched Remains the Same: drum, ram, strum, thrum, tramp, tromp
Walking
/m//r/ - march
$/ \mathrm{r} / / \mathrm{m} /$ - roam, romp, scram, stream, tramp, tromp
Unhappiness
$/ \mathrm{m} / / \mathrm{r} /$ - morgue, mourn, murk

```
    /r//m/ - crime, grim, grump, scream
W ater
    /m//r/ - M arsh: marsh, mere, mire, moor
    /r//m/ - F rost: rime
Smallness
    /m//r/ - mere
    /r//m/ - shrimp, trim
M uchness
    /m//r/ - more
    /r//m/ - realm, ream, room, stream
Joining
    /m//r/ - Bring T wo Things T ogether: merge
    /r//m/ - Crumple: cram, cramp, crimp, crump, scrimp
D etained
    /m//r/ - mire, moor
Spur Onward
    /r//m/ - dream, drum, prompt
Pleasant
    /m//r/ - Funny: mirth, smart, smirk
    /r//m/ - Groom: groom, prim, prime, primp
Higher Class
    /m//r/ - smart
    /r//m/ - cream, prime, prom, trump
Beginning
    /m//r/ - morn
    /r//m/ - brim, frame, rim
/n/I/
Loining
    /n/II/ - nail
    II//n/ - blend, clan, glean, lance, learn, splint
Long/T hin
    /n/II/ - H ard: nail
    /l//n/ - Flexible: lane, line
Bunch
    /n//I/ - gnarl, knurl
    II//n/ - clench, clinch
N ot
    /n//l/ - knell, nil, null
    /I//n/ - blanch, bland, blind, blond, blunt, clean, cleanse, flinch, Lent, Ione, lorn, lynch, plain
Up, Down
    /n//l/ - Bump: knoll
    |l//n/ - Incline: cline, slant, spline
Natural Environs
    /n//l/-knoll
    /l//n/ - glen, land, lawn
Plunge
    /n//l/ - launch, lunge, plunge
/n/r/
N egative
    /n//r/ - nor
    /r//n/ - drain, drawn, drown, rinse
Sneer, Grunt
    /n//r/ - snarl, sneer, snort
    /r//n/ - grunt, rant
Running Liquid
    /n//r/ - snort
```

/r//n/ - drain, drench, drown, rain, run
N ear
/n//r/ - near
/r//n/ - prone
Acquisition
/n//r/ - snare
$/ r / / n /$ - crane, rein, round, screen, scrounge, strain
Care For
/n//r/ - nurse
/r//n/ - preen
Plant
/n//r/ - Knurl: gnarl, knurl
/r//n/ - Branchy: bran, branch, frond, grain, groin
Nervous System
/n//r/ - nerve
/r//n/-brain
Central
/n//r/ - norm
$/ r / / n /$ - brunt, ground
/l/r/
Sound
////r/ - Excitement: blare, blurb, blurt, flair, flirt, floor
/r//l/ - Anger: brawl, broil, growl, rail, rile, roil, shrill, thrill
M otion
/I//r/ - Sudden: Iurch
/r//l/ - Smooth and O ngoing: crawl, drawl, drill, drool, stroll
Large, Spread Out
/l//r/ - flare, lard, large, lord, splurge
/r//I/ - grail, realm, sprawl
W eak, Empty
/I//r/ - blear, blur, clear, floor, lorn, slur
/r//I/ - braille, frail
$\underline{\text { Light, } H \text { eat }}$
/I//r/ - Light: glair, glare
/r//I/ - H eat: broil
Seek
/I//r/ - glare, leer, lurk /r/l/ - prowl
Running Liquid
/I//r// - Inward: slurp
/r//I/- Outward: drool

## Appendix X <br> /str/ W ords

English words containing /s//t//r/ can be classified phonosemantically into the classes:

Straight, Strong/Stern, Start, Struggle, Stop, Strange/D istant, Stroll, Stretch/Spread, Strike

## English

Relevant / str/ W ords
stair, star, starch, stare, stark, start, startle, starve, steer, sterile, sterling, stern, stir, store, stork, storm, story, straddle, straggle, straight, strain, strait, strand, strange, strangle, strap, straw, stray, streak, stream, street, stress, stretch, strew, strict, stride, strife, strike, string, strip, stripe, strive, strobe, stroke, stroll, strong, structure, struggle, strum, strut, stubborn

Phonosemantic C lassification
Straight - stair, steer, stork, straight, strait, strand, strap, straw, streak, stream, street, stretch, string, strip, stripe, strobe, stroke
Strong/ Stern - starch, star, stark, steer (animal), sterling, stern, storm, strain, strangle, stress, stretch, strict, strike, strive, strong, structure, struggle, stubborn
Start - start, startle
Struggle - stir, storm, strain, strangle, stream, stress, stretch, strife, strike, strive, struggle, stubborn
Stop - stare, stark, starve, sterile, stern, store, strangle, strict, strip, stubborn
Strange/D istant - star, stark, startle, storm, story, straggle, strange, strangle, stray
Stroll - steer, stir, straggle, stray, stride, stroll, strut
Stretch/Spread - star, starch, stork, straddle, straggle, strain, stretch, strew, stride, strive, struggle, strum, strut
Strike - stir, strangle, strike, stroke, strum
The English words beginning with /v/ (to take an arbitrary class that's not too big) don't fit neatly in these classes:

Straight - valley?, vane?, vein, vine
Strong - very, vim, vigor, verve
Struggle - venge, vie, volley?
Stop
Start
Strange
Stroll
Stretch/Spread
Strike
Exceptions - vale, valley, van, vat, vase, vial, vault, vessel, vile, villain, viper, vamp, voice, vote, vouch,
vow, view, veer, veil
Those words beginning with unvoiced 'th' fit a little better if they contain an /r/. This is probably due to the fact that both /th/ and /s/are unvoiced dental/alveolar fricatives:

Straight - thatch?, thin, thistle, thorn, thread
Strong - thick?, thorough, thrive, throng, thunder?
Struggle - throe
Stop - thaw?, threat, thrift, throttle
Start
Strange - thrall, thrill

## Stroll

Stretch/Spread
Strike - thrash, thresh, thrum, thump
Exceptions - theft, thief, thing, think, thirst, thought, throb, through, throw, thrust, thud, thug, thumb, thwack

Since the meanings of the phonemes derive from their pronunciation, we would expect that a phoneme in another language that had a similar pronunciation to that of English would have a similar meaning. This proves quite generally to be the case.

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Albanian
Phonosemantic C lassification
Straight - shtrat (bed), stroj (lay, cover, coat)
Strong - shtrëngat/ (gale, storm), shtrëngúes (coercive), strydh (press, squeeze)
Start - shtróhem (get down to)
Struggle - shtrénjtë (expensive), shtrëngat/ (gale, storm), shtrëngés/ (constraint), shtrëngúes
(coercive), strydh (press, squeeze)
Stop - shtrëngés/ (constraint), shtrëng/ (tighten), strydh (press, squeeze)
Strange/D istant - shtrémbër (crooked, wrong, distorted)
Stroll
Stretch/Spread - shtrat (bed), shtrés/ (layer, stratum), shtríhem (lie), shtri/ (lie down, expand,
stretch), stroj (lay, cover, coat)
Strike
Exceptions - struar (easy)
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## C atalan

## Phonosemantic C lassification

Straight - esteranyinador (broom), estira (stretching), estret (narrow), estria (flute, groove), estricada (long walk), estricador (pole), estricar (stretch), estríjol (curry comb), estrip (tear), estripar (gut, draw), estrofa (verse, stanza), estrompassar (stride over), estrop (strap), estruÇ (ostrich)
Strong - esterlí (sterling), estirada (pull, jerk, growth sprurt), estormia (cushion), estort (safe), estrall (ruin, destruction), estrangulació (strangulation), estrenu (vigorous, energetic), estrènyer (tighten up, clench), estrèpit (racket, row), estrident (strident, harsh), estructura (structure) Start - estirada (pull, jerk, growth sprurt), estrena (first use), estròbil (pinecone) Struggle - estira (stretching), estiracabells ( have a tussel), estòrcer (escape from), estrabisme (squinting), estrall (ruin, destruction), estrambot (burden), estrangulació (strangulation), estraperlada (smuggling), estrateg (strategy), estremiment (tremor), estrènyer (tighten up, clench), estrèpit (racket, row), estret (narrow, tight), estricar (stretch)
Stop - estar (be), estaria (stay, sojourn), estergir (stencil), estèril (sterile), esterracar (knock unconscious), estordir (stun, daze), estormia (cushion), estrangulació (strangulation), estrènyer (tighten up, clench), estrep (stirrup), estret (narrow, tight), estricte (strict), estringar (lock), estringuet (brake), estritllar-se (clear up)
Strange/D istant - estirabot (absurdity), estordit (reckless), estornell (scatterbrain), estrafer (mimic, ape), estrafet (disguised), estrafolari (outlandish), estrambòtic (eccentric), estranger (foreign), estrany (extraneous, odd), estranyar (exile), estrella (star), estremiment (tremor, shudder), estroncar (check the flow of, exhaust, run dry), estruÇ (ostrich)
Stroll - estòrcer (escape from), estranyar (exile), estraperlada (smuggling), estricada (long walk), estrident (strident, harsh), estrompassar (stride over)
Stretch/Spread - esternudar (sneeze), estarrufar (bristle up, stand on end), esteranyinador (broom), estira (stretching), estor (curtain), estorar (cover, carpet), estoret (fire fan), estrada (platform), estramp (free verse), estrassa (rag), estratificar (stratify), estrebar (pull out), estrènyer (tighten up, clench), estricar (stretch), estrip (tear), estrompassar (stride over)
Strike/T ear - esterracar (knock unconscious), esterrajar (scarify), estrall (ruin, destruction), estrangulació (strangulation), estrip (tear), estronxar (damage, injure), estronyar (break, smash, shatter), estropellar (damage, spoil)
Exceptions - estirp (stock, lineage, race), estragó (tarragon), estri (gear, equipment), estripall (scrap)

## G erman

## Relevant/str/ W ords

Star - glaucoma/star, Stär - ram, stark -strong, starr - stiff/motionless, starren - stare, Start - start, sterben- die, Stern - star, Sterz - plow handle/rump, Steuer - rudder/tax, stier- fixed, Stier - bull, Stirn - forehead, Storch - stork, Store - curtain, stören - interrupt/scratch, Storger - tramp, stornieren - annul, störrig- stubborn, stracks - immediately, Strafe - punishment, straffe - stretched, Strahl beam, Strähl - comb, Strähn - lock, strakeln - stretch, stramm - tight/strong, strampeln - kick about, Strand - shore, Strang -rope, Strapaze - fatigue/toil, Straße - street, sträuben - bristle, Strauch - bush, straucheln - stumble, Strauß - bunch/ostrich, Strazze scrapbook, Strebe - support, streben - struggle, strecken - extend, Streich- stroke, streicheln - carress, streichen - wander/rush past/rub, Streif patrol, Streifen - stripe, Streik - strike, Streit - dispute, streng - severe/stern, streuen - strew straw, Strich - streak, Strick - rope, stricken- knit, Striegel - currycomb, Strieme - streaked, Striezel rascal, striezen - torment, strikt - strict, Strippe - string, strippen - striptease, Strobel- mop of hair, Stroh - staw, Strolch - tramp/idler, Strom - stream, Strophe - stanza, strotzen - puffed up, Strudel eddy/pastry, Struktur - structure, Strumpf - stocking, Strunk - trunk, struppiert - worn out, struppig bristly, stur - stubborn, sturm - storm, Sturz - plunge/fail,Stürze - cover, Stürzel - stump, stürzen hurl/ruin

## Phonosemantic C lassification

Straight - starr, Sterz, Storch, straffe, Strahl, Strähl, Strähn, strakeln, stramm, Strand, Strang, Straße, sträuben, Strauch, Strauß, strecken, Streich, Streifen, streuen, Strich, Strick, stricken, Striegel,
Strieme, Strippe, Strobel, Stroh, Strom, Strophe, Strunk, struppig, Sturz, Stürzel
Strong/Strict - Star, Stär, stark, stier, störrig, Strafe, stramm, sträuben, Strebe, Streif, streng, strikt, Struktur, stur, sturm
Start - Start, stracks, stürzen
Struggle - Strapaze, streben, Streik, Streit, striezen
Stop - Star, starr, starren, sterben, stier, stören, stornieren, störrig, straucheln, Streik, struppiert, stur, Sturz, stüürzen
Strange/ Distant - starren, Stern, streuen
Stroll - Storger, straucheln, streichen, Strolch
Stretch/Spread - straffe, strakeln, stramm, strecken, stricken, strotzen, Strumpf
Strike - stören, strampeln, Streich, streicheln, streichen
Exceptions - Steuer, Stirn, Store, Strauß (flowers), Strazze, Striezel, strippen, Strudel, Stürze

## G reek

## Phonosemantic C lassification

Straight - sterope (flash of lightning), sortheksi (deer horn), streblou (twist, strain tight), streptos (flexible, twisted pastry), strefe (spin, twist a rope, torture, stick close to something, be at large), strobeo (twist, whirl), sturax (fragrant gum, spike)
Strong - stereos (stiff, stark, firm, solid), sternon (breast, chest), sterope (flash of lightning), sterros (solid, strong, stiff, stubborn), straggalizo (strangle), straggeuomai (squezze onself, loiter), stragx (that which is squeezed out), strateusimos (servicable), strateuo (serve in the war), strategeo (be a general, command), stratos (encamped army), streblou (twist, strain tight), strefe (spin, twist a rope, torture, stick close to something, be at large), stronos (hard, rough harsh), strofnos (astringent taste), sturax (fragrant gum, spike)

## Start

Struggle - straggalizo (strangle), straggeuomai (squezze onself, loiter), stragx (that which is squeezed out), strateuo (serve in the war), stratos (encamped army), streblou (twist, strain tight), strefe (spin, twist a rope, torture, stick close to something, be at large), stronos (hard, rough harsh), stroniau (run a riot, wax wanton)
Stop - stereos (stiff, stark, firm, solid), stereo (deprive, bereave), steromai (to be wanting, to lack), sterros (solid, strong, stiff, stubborn), storennomi (shortened, calm, soothe), straggalizo (strangle), straggeuomai (squezze onself, loiter), strapto (lighten), stratos (encamped army), streblou (twist, strain tight)
Strange/D istant - strateia (expedition, campaign), streblos (twisted, crooked), stroniau (run a riot, wax wanton), strofnos (astringent taste), strofau (turn, wander about)
Stroll - straggeuomai (squezze onself, loiter), strateia (expedition, campaign), strefe (spin, twist a rope, torture, stick close to something, be at large)
Stretch/Spread - storennomi (spread clothes on a bed, spread, strew, pave a road), streblou (twist, strain tight), stroma (anything stretched out for lysing on)
Strike/T ear - stereo (deprive, bereave), sterope (flash of lightning), straggalizo (strangle),
straggeuomai (squezze onself, loiter), stragx (that which is squeezed out), strefe (spin, twist a rope, torture, stick close to something, be at large), stroniau (run a riot, wax wanton)
Exceptions - strergo (love between parent and child, be content with)
There is an /str/ class of turning and whirling in Greek.

## Hindi

## Phonosemantic C lassification

Straight - sitar (stringed instrument), sutari (heavy needle), sutr (thread, origin, source, formula)
Strong - astra (armed), satark (alert), sthir (fixed, firm, unmoving)
Start - sutr (thread, origin, source, formula)
Struggle - satraÑ j (chess), satru (enemy), satr (angrily)
Stop - sthir (fixed, firm, unmoving)
Strange/D istant - sitara (star, fate)
Stroll
Stretch/Spread - astar (lining, petticoat), sitri (iron), satraÑ ji (floor covering), sathri (small mat),
star (level, grade)
Strike/T ear - ustra (razor, cheat)
Exceptions - sattar (70), sutar (carpenter, craftsman), su-tar (good occasion), stri (woman)

## Indonesian

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Phonosemantic C lassification
Straight - setrik (hair ribbon), setrip (line, stripe, slash), setrum (electric current, induce), siter
(zither)
Strong - satron (be hostile toward), kesatria (noble, knight), kesturi (musk), setir (drive, wield
control over), setrap (punishment), setru (enemy), setrum (electric current, induce), sitrun (citron),
streng (strict), stromking (high pressure lantern)
Start - setrum (electric current, induce)
Struggle - kesut ter (frightened), seotri (quarrel, bicker), setoter (stutter), setru (enemy)
Stop - setor (deposit), streng (strict)
Strange/D istant - setrip (crazy)
Stroll
Stretch/Spread - seterika (iron, flatten, smash), strata (levels), strimin (fabric for lining), sutera
(silk)
Strike/T ear - seterika (iron, flatten, smash)
Exceptions - satru (cookie), setrop (fruit drink)
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## Irish

## Phonosemantic C lassification

Straight - starr (tooth, tusk, jut, rough pull, fit of anger, round of boxing, sturdy), starran (projection), steotar (sugar stick), storn (straddle pin), straibeir (lash), straic (strip of cloth, stroke of a cane, state, level, pride), straille (tall, lazy aimless person), straimead (tape, streamer, heavy stroke), straip (strap), stran (prominent tooth), strapa (strap), strat (stay between masts), streaclan (band, gaiter), strearac (tree creeper), strileaman (long, nervous person), strioc (stripe, repentance), striocail (making tracks, striving), striolla (girth, girdle), strior (impulse, gust, enthusiasm, stripe), strioradan (anything hanging, limp), striopan (strip, streamer), striopar (strip, tatter), stroc (iron ked band), stropa (strope), struic (crest, ridge), strup (curved spout), strut (ostrich), sutrog (candle)
Strong - feistear (regulation, equipment), sataire (pusher, intruder), seitreac (strong, sturdy, braying, sneeze), siotrail (bellowing), sotaire (strong fellow), starr (tooth, tusk, jut, rough pull, fit of anger, round of boxing, sturdy), starramail (sturdy, resolute), starranac (troublesome, stubborn), starrog (hill, summit, obstinant female), stiuir (steering, guiding, attitude), storc (large animal or person), storfath (snort), straic (strip of cloth, stroke of a cane, state, level, pride), straimead (tape, streamer, heavy stroke), strairiun (audacity), strapaire (vigorous, well-built person), streaclac (drag, pull), strior (impulse, gust, enthusiasm, stripe), striorac (windy, rough), stro (stress, excitement, dallying, tyrrany), stroinear (overbearing, uppish), sturraide (impudent person), sturralac (sturdy)

## Start

Struggle - sataire (pusher, intruder), siotram (tantrum), starr (tooth, tusk, jut, rough pull, fit of anger, round of boxing, sturdy), starram (stutter), starramail (sturdy, resolute), starranac (troublesome, stubborn), starrog (hill, summit, obstinant female), stracail (trudging), stradain (fit of temper), straille (mat, carpet, anything confused), straimp (displeasure, huff), strainnc (grimace), strairiun (audacity), strangad (pulling, twitching), straoi (great effort), streaclac (drag, pull), strearail (climbing), streill (crying expression), strileaman (long, nervous person), strioc (stripe, repentance), striocail (making tracks, striving), striorac (windy, rough), stro (stress, excitement, dallying, tyrrany), strogadgail (struggling), stroigreamail (combative), stroinear (overbearing, uppish), strucail (negotiating, huckstering), struirim (stress, break), strus (stress, difficulty), sturraide (impudent person)
Stop - feistear (regulation, equipment), istir (in), ostar (food stores, inn-keeper), satarn (Saturday), seatar (gland, library, bookcase), sotai realta (placid), starram (stutter), starrogact (staring), startoir (historian), stioroip (stirrup), store (store, treasure), stracail (trudging), straic (strip of cloth, stroke of a cane, state, level, pride), straille (tall, lazy aimless person), strainin (colander), stran (delay), strat (stay between masts), streara (stile), striolla (girth, girdle), striomuigte (rigid, stiff in the legs), stro (stress, excitement, dallying, tyrrany), stroigin (cement), stronncugad (stiffening), struirin (weaver's glue)
Strange/D istant - astranac (wayfarer), astrolaide (soothsayer), straille (mat, carpet, anything confused), straillin (untidy, awkward), straipleac (anything unkempt), strampalaide (awkward person), strampalta (trampling, awkward), streabog (useless article), streacla (trifle), straclanac (straggling, ragged), strodaire (good for nothing), stroile (aimless person), stroiliur (careless), stroinre (stranger, vagrant), stroinrearta (foreign), strullog (clumsy female), strut (ostrich)
Stroll - astranac (wayfarer), stracail (trudging), strae (wondering, stray), strearail (climbing), striocail (making tracks, striving)
Stretch/Spread - seitreac (strong, sturdy, braying, sneeze), starrog (hill, summit, obstinant female), strabaille (prodigality), strabar (big mouth, grin), straboid (prostitute), straca (stratum, layer), straille (mat, carpet, anything confused), straoideac (waster), streannc (splash), streanncan (tune, lilt, rush of fluid), striapac (harlot), strioradan (anything hanging, limp), triorail (undressing), struic (crest, ridge)
Strike/T ear - starr (tooth, tusk, jut, rough pull, fit of anger, round of boxing, sturdy), stiuraide (hussy), straibeir (lash), straic (strip of cloth, stroke of a cane, state, level, pride), straillead (act of rending), straimead (tape, streamer, heavy stroke), strampail (stamping, striking), strampalta (trampling, awkward), striopar (strip, tatter), striudai (parts), stro (stress, excitement, dallying, tyrrany), stroc (stroke, sharp pang), stroic (tatter), struirim (stress, break)
Exceptions - iostar (entertainment, lodging), stirean (sturgeon), striog (small drop), stur (dust), sutrall (Iamp)

## Lithuanian

Phonosemantic C lassification
Straight - stirta (stack), straublys (trunk, probiscus), strele (arrow), strenos (loins), strigti (stick), strykas (bow, fiddlestick), strofa (stanza), strutis (ostrich)
Strong - stropumas (diligence, industry), struktura (structure)
Start
Struggle - striukas (short, hard time), stropumas (diligence, industry)
Stop - streikas (strike), striukas (short, hard time)
Strange/ D istant - strutis (ostrich)
Stretch/Spread
Strike/T ear - strele (arrow)
Exceptions - stirna (roe, venison), strapsnis (article), strazdana (freckle), strazdas (thrush)

## N orwegian

## Relevant/str/ W ords

start, starve, staur, steril, sterk, sterre, sterte, stirre, stjerne, stjert, something which sticks out, stor, stork, storm, storme, strabas, straff, strak, straks, stram, strand, strang, strange, strant, stratt, strebe, strede, streif, streife, streik, strek, strekke, strende, strene, streng, stress, stret, strev, stri, strid, strie, strigle, strikk, strikke, strikt, stril, strime, strimmel, stripe, stripp, strippe, strips, stritte, strofe, stroke, stropp, strosse, struktur, strunk, strunt, strunten, strupe, strut, struts, strutte, stryk, stryke, strø, strøk strøm, strømper, strå, stråe, styr, styre, styrt, styrte

## Phonosemantic Classification

Straight - staur, sterte, stjert, stork, strak, stram, strand, strange, strant, strakk, strede, streif, strek, strekke, streng, strigle, strikk, strime, strimmel, stripe, stripp, stritte, strofe, stroke, stropp, strunk, strupe, strut, struts, stryke, strøk, strøm, strå, stråle, syre, styrt
Strong - sterk, sterre, sterte, stor, storm, straff, stram, strang, strakk, streng, stret, strev, stri, strid, striks, strikt, stroke, strosse, struktur, strunten, strupe, stryk, styr, styre, styrt, styrte
Start - start, straks, streife, strek, strippe, styrte
Struggle - starve, sterte, storme, strabas, strebe, streik, strene, stress, stret, strev, stri, strid, stroke
Stop - steril, sterre, stirre, straff, streik, strunk, stryke
Strange - stirre, stjerne, strek, strippe, strunt, styr
Stroll - staur, strende
Stretch/Spread - sterte, stram, strebe, strekke, strikk, stroke, strutte, strø, strøk, strømper
Strike - streif, strende, stri, strigle, strips, stroke, strupe, stryke
Exceptions - strie, stril, strunt(cone)

## Russian

## Relevant /str/ W ords

vostorg - joy/rapture, vostro - be alert, vstretit' - meet, starat'sya - try, staryj - old, start - start, stvor alignment, stereC' - watch for, sterZ en' - rod, steril'nyj - steril, sterling - sterling, sternya - stubble, storoZ - guard, storona - side, stravlivat' - set onto fight, strada - hard work, stradat' - suffer, straZ guard, strana - country, stranitsa - page, strannik - wanderer, stranno - strange, stranstvovat' - travel, strast' - passion/holiness/horror/love, straus - ostrich, strax- fear, straxovat' - insure, streZ en' - stream, strekoza - dragonfly, strekotat' - buzz, strela - arrow, strelka - pointer, strel'ba - shooting, stremit'sya - rush/aspire, stremya - stirrup, stremyanka - ladder, striC' - cut hair, strogat' - to plane, strogij stern, stroit' - build, stroj - order/line, strojnyj - slender, stroka - line (writing), strop - sling, stropilo - rafter, strofa - stanza, stroCit' - stitch/write, strug - plane/shave, struit'sya - stream, struktura - structure, struna - string, stryapat' - cook/do

## Phonosemantic C lassification

Straight - stvor, sterZen', sternya, storona, straus, streZen', strela, strelka, strel 'ba, stremyanka, striC ', strogat', stroit', stroi, stroinyj, stroka, strop, stropilo, strofa, stroCit', strug, struit'sya, struna
Strong/Strict - vostro, stereC', sterling, storoZ, straZ, straxovat', stremya, strogij
Start - vstretit', start, stravlivat'
Struggle - starat'sya, stravlivat', strada, stradat', stremit'sya
Stop - vostro, stereC ' , storoZ, straZ
Strange/ Distant - vostorg, staryj, storona, strana, strannik, stranno, stranstvovat', strast', strax, straxovat', stryapat'
Stroll - strannik, stranstvovat'
Stretch/Spread - starat'sya, stremit'sya
Strike - vstretit', stravlivat', strel 'ba
Exceptions - stranitsa, strekoza, strekotat'

## W elsh

## Phonosemantic C lassification

Straight - estrys (ostrich), strap (strap), streip (stripe), stribed (strip), strimyn (belt), strip (strip), stryd (street), sturmant (Jew's harp)
Strong - storm (storm), strwytur (structure)
Start
Struggle - astrus (difficult), straen (strain), strwr (noise, bustle, fuss)
Stop - starts (starch), stor (store, reserve), storfan (depot), streic (strike), stroc (stroke, seizure)
Strange/ D istant - estron (foreigner), estrys (ostrich), stranc (trick), strim-stram-strellach (helter
skelter)
Stretch/Spread - straegar (gossiper), strata (strata), strim-stram-strellach (helter skelter)
Strike/T ear - streic (strike)
Exceptions - starn (stern)

