**Query Expansion**

**Output Results for Synonyms:**

boxer[(Boxer)(packer,bagger)(pugilist)]

stall[(stalling)(carrel,carrell,cubicle)(stand,sales\_booth)(booth,cubicle,kiosk)]

tree[(Tree,Sir\_Herbert\_Beerbohm\_Tree)(tree\_diagram)]

plant[(flora,plant\_life)(works,industrial\_plant)]

branches[]

ground[(flat\_coat,primer,priming,primer\_coat,priming\_coat,undercoat)(earth)(land,soil)(background)(footing,basis)(earth)(reason)(land,dry\_land,earth,solid\_ground,terra\_firma)]

stem[(stem\_turn)(bow,fore,prow)(shank)(stalk)(root,root\_word,base,theme,radical)]

trunk[(proboscis)(luggage\_compartment,automobile\_trunk)(torso,body)(tree\_trunk,bole)]

height[(altitude)(stature)(acme,elevation,peak,pinnacle,summit,superlative,meridian,tiptop,top)(tallness)]

specification[(stipulation)(spec)]

maturity[(maturity\_date,due\_date)(matureness)(adulthood)]

authors[]

m[(M)(megabyte,mebibyte,M,MB,MiB)(megabyte,M,MB)(thousand,one\_thousand,1000,M,K,chiliad,G,grand,thou,yard)(molarity,molar\_concentration,M)(meter,metre)]

minimum[(lower\_limit)]

cm[(curium,Cm,atomic\_number\_96)(centimeter,centimetre)]

diameter[(diam)]

plants[]

definitions[]

multiple[]

size[(size\_of\_it)(sizing)]

shrubs[]

trees[]

years[(days)(long\_time,age)(old\_age,age,eld,geezerhood)]

ft[(foot)]

component[(constituent,element)(part,portion,component\_part,constituent)(constituent,element,factor,ingredient)]

landscape[(landscape\_painting)]

prevention[(bar)]

erosion[(corrosion,corroding)(eroding,eating\_away,wearing,wearing\_away)]

provision[(planning,preparation)(supply,supplying)(proviso)]

ecosystem[]

foliage[(foliation)(leaf,leafage)]

role[(function,purpose,use)(character,theatrical\_role,part,persona)(function,office,part)]

oxygen[(O,atomic\_number\_8)]

carbon[(carbon\_copy)(carbon\_paper)(C,atomic\_number\_6)]

dioxide[]

atmosphere[(air,aura)(atmospheric\_state)(air)(standard\_atmosphere,atm,standard\_pressure)(ambiance,ambience)]

temperatures[]

elements[]

agriculture[(Department\_of\_Agriculture,Agriculture\_Department,Agriculture,USDA)(farming,husbandry)(agribusiness,factory\_farm)]

appeal[(solicitation,collection,ingathering)(appealingness,charm)(entreaty,prayer)]

orchard[(grove,woodlet,plantation)]

crops[]

apples[]

Wood[(wood)(woodwind,woodwind\_instrument,wood)(Grant\_Wood)(Mrs.\_Henry\_Wood,Ellen\_Price\_Wood)(Sir\_Henry\_Wood,Sir\_Henry\_Joseph\_Wood)(Natalie\_Wood)(forest,wood,woods)(wood)]

building[(construction)(construction)(edifice)]

material[(fabric,cloth,textile)(stuff)]

energy[(Department\_of\_Energy,Energy\_Department,Energy,DOE)(vim,vitality)(muscularity,vigor,vigour,vim)(push,get-up-and-go)(vigor,vigour,zip)(free\_energy)]

source[(reference)(reservoir)(generator,author)(informant)(seed,germ)(beginning,origin,root,rootage)]

countries[]

Trees[]

world[(human\_race,humanity,humankind,human\_beings,humans,mankind,man)(worldly\_concern,earthly\_concern,earth)(populace,public)(Earth,earth,globe)(reality)(domain)(universe,existence,creation,cosmos,macrocosm)]

mythologies[]

Classification[(classification)(classification,categorization,categorisation,sorting)(classification,categorization,categorisation)(categorization,categorisation,classification,compartmentalization,compartmentalisation,assortment)]

Morphology[(morphology,geomorphology)(morphology,sound\_structure,syllable\_structure,word\_structure)(morphology)(morphology)]

breaking[(breakage,break)]

Damage[(wrong,legal\_injury,damage)(price,terms,damage)(damage,harm,hurt,scathe)(damage,equipment\_casualty)(damage,harm,impairment)]

culture[(polish,refinement,cultivation,finish)(acculturation)(civilization,civilisation)]

Tree[(Sir\_Herbert\_Beerbohm\_Tree)(tree,tree\_diagram)(tree)]

value[(time\_value,note\_value)(economic\_value)]

estimation[(estimate)(estimate,approximation,idea)(estimate)(appraisal,estimate)]

References[]

Bibliography[(bibliography)]

links[(golf\_links)]

form[(mannequin,manikin,mannikin,manakin)(class,grade,course)(phase)(variant,strain,var.)(shape,cast)(shape)(human\_body,physical\_body,material\_body,soma,build,figure,physique,anatomy,shape,bod,chassis,frame,flesh)(shape,configuration,contour,conformation)(shape,pattern)(kind,sort,variety)(word\_form,signifier,descriptor)]

orders[]

families[]

variety[(change)(kind,sort,form)(variety\_show)(diverseness,diversity,multifariousness)(assortment,mixture,mixed\_bag,miscellany,miscellanea,salmagundi,smorgasbord,potpourri,motley)]

growth[(emergence,outgrowth)(increase,increment)(growing,maturation,development,ontogeny,ontogenesis)]

forms[]

leaf[(folio)(leafage,foliage)]

type[(character,eccentric,case)]

shape[(form,pattern)(Supreme\_Headquarters\_Allied\_Powers\_Europe,SHAPE)(condition)(form,cast)(embodiment)(human\_body,physical\_body,material\_body,soma,build,figure,physique,anatomy,bod,chassis,frame,form,flesh)(form)(form,configuration,contour,conformation)]

bark[(barque)]

characteristics[]

organs[(variety\_meat)]

classes[]

response[(reply)(reception)(answer,reply)(reaction)]

challenges[]

example[(exercise)(case,instance)(deterrent\_example,lesson,object\_lesson)(exemplar,model,good\_example)(model)(illustration,instance,representative)]

evolution[(organic\_evolution,phylogeny,phylogenesis)(development)]

estimate[(estimation)(appraisal,estimation)(estimation)(estimation,approximation,idea)]

species[]

number[(identification\_number)(issue)(numeral)(phone\_number,telephone\_number)(act,routine,turn,bit)(figure)]

percent[(percentage,per\_centum,pct)]

majority[(legal\_age)(absolute\_majority)(bulk)]

regions[]

areas[]

botanists[]

diversity[(diverseness,multifariousness,variety)]

ferns[]

horsetails[]

lycophytes[]

forests[]

period[(point,full\_stop,stop,full\_point)(menstruation,menses,menstruum,catamenia,flow)(geological\_period)(time\_period,period\_of\_time)]

conifers[]

ginkgos[]

cycads[]

gymnosperms[]

today[]

Angiosperms[]

listing[(itemization,itemisation)(list)]

examples[]

genera[]

group[(mathematical\_group)(radical,chemical\_group)(grouping)]

grove[(woodlet,orchard,plantation)]

copse[(brush,brushwood,coppice,thicket)]

forest[(woodland,timberland,timber)(wood,woods)]

biotopes[]

rainforest[(rain\_forest)]

taiga[]

ecozones[]

grassland[]

savanna[(savannah)]

age[(old\_age,years,eld,geezerhood)(long\_time,years)(eld)(historic\_period)]

woodland[(forest,timberland,timber)]

sapling[]

roots[]

structure[(social\_organization,social\_organisation,social\_structure,social\_system)(anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(construction)]

water[(urine,piss,pee,piddle,weewee)(water\_system,water\_supply)(body\_of\_water)(H2O)]

nutrients[]

parts[]

s[(randomness,entropy,S)(S)(mho,siemens,reciprocal\_ohm,S)(south,due\_south,southward,S)(sulfur,S,sulphur,atomic\_number\_16)(second,sec)]

twigs[]

leaves[]

support[(financial\_support,funding,backing,financial\_backing)(accompaniment,musical\_accompaniment,backup)(supporting)(keep,livelihood,living,bread\_and\_butter,sustenance)(documentation)(reinforcement,reenforcement)]

transport[(transportation,transfer,transferral,conveyance)(tape\_drive,tape\_transport)(ecstasy,rapture,exaltation,raptus)(transportation,shipping)(conveyance)]

tissues[]

xylem[]

phloem[(bast)]

cells[]

cambium[]

way[(room,elbow\_room)(path,way\_of\_life)(direction)(means,agency)(manner,mode,style,fashion)]

increases[]

broadleaf[]

addition[(summation,plus)(accession)(increase,gain)(add-on,improver)]

wood[(woodwind,woodwind\_instrument)(Wood,Grant\_Wood)(Wood,Mrs.\_Henry\_Wood,Ellen\_Price\_Wood)(Wood,Sir\_Henry\_Wood,Sir\_Henry\_Joseph\_Wood)(Wood,Natalie\_Wood)(forest,woods)]

outwards[]

monocotyledons[]

palms[]

dragon[(flying\_dragon,flying\_lizard)(Draco,Dragon)(tartar)(firedrake)]

cacti[]

inwards[]

rings[]

climate[(mood)(clime)]

changes[]

times[(multiplication)]

year[(class)(twelvemonth,yr)]

climates[]

dry[(prohibitionist)]

season[(time\_of\_year)]

alternation[]

pair[(couple,twosome,twain,brace,span,yoke,couplet,distich,duo,duet,dyad,duad)(brace)]

seasons[]

pairs[]

desert[]

rainfall[(rain)]

ring[(band)(band)(ringing,tintinnabulation)(gang,pack,mob)(closed\_chain)(hoop)(halo,annulus,doughnut,anchor\_ring)]

change[(variety)(alteration,modification)]

texture[(grain)]

date[(particular\_date)(appointment,engagement)(escort)(day\_of\_the\_month)]

cores[]

past[(past\_tense)(past\_times,yesteryear)]

practice[(praxis)(exercise,drill,practice\_session,recitation)(pattern)]

science[(skill)(scientific\_discipline)]

dendrochronology[]

manner[(personal\_manner)(mode,style,way,fashion)]

Age[(old\_age,years,age,eld,geezerhood)(long\_time,age,years)(age,eld)(historic\_period,age)(age)]

determination[(decision,conclusion)(decision,conclusion)(purpose)(finding)]

earth[(ground)(worldly\_concern,earthly\_concern,world)(Earth)(land,dry\_land,ground,solid\_ground,terra\_firma)(ground)(Earth,world,globe)]

anchorage[(anchorage\_ground)(Anchorage)]

biomass[]

soil[(territory)(land,ground)(dirt)(dirt,filth,grime,stain,grease,grunge)]

photosynthesis[]

bearing[(charge,heraldic\_bearing,armorial\_bearing)(carriage,posture)(comportment,presence,mien)(heading,aim)]

competition[(rival,challenger,competitor,contender)(contention,rivalry)(contest)]

sunlight[(sunshine,sun)]

arrangement[(arranging,transcription)(musical\_arrangement)(placement)(organization,organisation,system)(agreement)]

exposure[(photograph,photo,picture,pic)(vulnerability)]

palm[(decoration,laurel\_wreath,medal,medallion,ribbon)(palm\_tree)(thenar)]

saguaro[(sahuaro,Carnegiea\_gigantea)]

cactus[]

trunks[(short\_pants,shorts)]

or[(operating\_room,OR,operating\_theater,operating\_theatre,surgery)(Oregon,Beaver\_State,OR)]

shrub[(bush)]

differentiation[(specialization,specialisation)(distinction)]

bonsai[]

reference[(address,computer\_address)(source)(consultation)(denotation,extension)(character,character\_reference)(reference\_book,reference\_work,book\_of\_facts)(reference\_point,point\_of\_reference)(citation,cite,acknowledgment,credit,mention,quotation)(mention)]

specimens[]

seedling[]

definition[]

spruces[]

Record[(criminal\_record,record)(record)(record)(record,record\_book,book)(record,track\_record)(record)(phonograph\_record,phonograph\_recording,record,disk,disc,platter)(record)]

champion[(ace,adept,sensation,maven,mavin,virtuoso,genius,hotshot,star,superstar,whiz,whizz,wizard,wiz)(supporter,protagonist,admirer,booster,friend)(fighter,hero,paladin)(champ,title-holder)]

girth[(cinch)]

heights[(high)]

subject[(national)(case,guinea\_pig)(topic,issue,matter)(discipline,subject\_area,subject\_field,field,field\_of\_study,study,bailiwick)(content,depicted\_object)(topic,theme)]

dispute[(contravention)(difference,difference\_of\_opinion,conflict)]

exaggeration[(overstatement,magnification)(hyperbole)]

measurements[]

laser[(optical\_maser)]

rangefinders[]

measuring[(measurement,measure,mensuration)]

devices[]

tape[(magnetic\_tape,mag\_tape)(tapeline,tape\_measure)(tape\_recording,taping)]

drop[(drop\_curtain,drop\_cloth)(fall)(cliff,drop-off)(dip,fall,free\_fall)(drib,driblet)(bead,pearl)]

climbers[]

canopy[]

researchers[]

members[]

groups[]

methods[]

exaggerations[]

claims[]

error[(mistake)(computer\_error)(wrongdoing)(misplay)(erroneous\_belief)(erroneousness)(mistake,fault)]

records[]

rosewood[(rosewood\_tree)]

quadrialatus[]

decorations[]

top[(circus\_tent,big\_top,round\_top)(cover)(whirligig,teetotum,spinning\_top)(acme,height,elevation,peak,pinnacle,summit,superlative,meridian,tiptop)(top\_of\_the\_inning)(peak,crown,crest,tip,summit)(top\_side,upper\_side,upside)]

sitchensis[]

globulus[]

island[]

delegatensis[]

view[(horizon,purview)(scene)(opinion)(opinion,sentiment,persuasion,thought)(eyeshot)(survey,sight)(aspect,prospect,scene,vista,panorama)(position,perspective)]

Stoutest[]

matter[(topic,subject,issue)(affair,thing)]

round[(circle)(rung,stave)(troll)(round\_of\_drinks)(turn,bout)(daily\_round)(round\_of\_golf)(beat)(cycle,rhythm)(unit\_of\_ammunition,one\_shot)]

circumference[(circuit)(perimeter)]

author[(generator,source)(writer)]

comment[(gossip,scuttlebutt)(commentary)(remark,input)]

yew[]

aberrations[]

yews[]

belief[(impression,feeling,notion,opinion)]

bole[(Bole,Bolanci)(trunk,tree\_trunk)]

standard[(banner)(monetary\_standard)(criterion)(criterion,measure,touchstone)]

breast[(white\_meat)(bosom,knocker,boob,tit,titty)(chest)]

forestry[]

situations[]

measure[(measuring\_stick,measuring\_rod)(bar)(meter,metre,beat,cadence)(standard,criterion,touchstone)(measurement,measuring,mensuration)(bill)(quantity,amount)(step)]

cases[]

difference[(remainder)(dispute,difference\_of\_opinion,conflict)(deviation,divergence,departure)]

point[(distributor\_point,breaker\_point)(power\_point)(gunpoint)(pointedness)(decimal\_point,percentage\_point)(head)(period,full\_stop,stop,full\_point)(compass\_point)(spot)(item)(dot)(tip,peak)(point\_in\_time)(degree,level,stage)(detail,item)]

use[(enjoyment)(manipulation)(habit)(consumption,economic\_consumption,usance,use\_of\_goods\_and\_services)(function,purpose,role)(usage,utilization,utilisation,employment,exercise)]

average[(norm)]

points[]

citation[(Citation)(quotation,quote)(cite,acknowledgment,credit,reference,mention,quotation)(commendation)]

level[(floor,storey,story)(layer,stratum)(horizontal\_surface)(spirit\_level)(degree,stage,point)(grade,tier)(degree,grade)]

measurement[(measuring,measure,mensuration)]

crevice[(crack,cleft,fissure,scissure)(cranny,crack,fissure,chap)]

trends[]

Diameter[(diameter)(diameter,diam)]

p[(P)(phosphorus,P,atomic\_number\_15)]

section[(incision,surgical\_incision)(department)(discussion\_section)(plane\_section)(part,division)(segment)(subdivision)]

circle[(round)(dress\_circle)(R-2,Mexican\_valium,rophy,rope,roofy,roach,forget\_me\_drug)(traffic\_circle,rotary,roundabout)(lap,circuit)(set,band,lot)]

buttresses[]

space[(quad)(blank\_space,place)(distance)(blank)(outer\_space)(infinite)]

problem[(trouble)(job)]

baobabs[]

amounts[]

variation[(pas\_seul)(mutant,mutation,sport)(magnetic\_declination,magnetic\_variation)(version,variant,edition)(variance)(fluctuation)]

maximum[(utmost,uttermost,level\_best)(upper\_limit)]

end[(remainder,remnant,oddment)(conclusion,close,closing,ending)(destruction,death)(goal)(last,final\_stage)(ending)(terminal)]

living[(support,keep,livelihood,bread\_and\_butter,sustenance)(animation,life,aliveness)(life)]

digitata[]

baobab[(monkey-bread\_tree,Adansonia\_digitata)]

mucronatum[]

area[(expanse,surface\_area)(sphere,domain,orbit,field,arena)(region)(country)]

giganteum[]

sempervirens[]

regnans[]

plicata[]

cupressoides[]

instances[]

root[(tooth\_root)(etymon)(ancestor,ascendant,ascendent,antecedent)(solution)(root\_word,base,stem,theme,radical)(beginning,origin,rootage,source)]

hundreds[]

volume[(loudness,intensity)(book)(bulk,mass)]

Measurement[(measurement,measuring,measure,mensuration)]

branch[(arm,limb)(outgrowth,offshoot,offset)(leg,ramification)(subdivision,arm)]

attempt[(attack)(effort,endeavor,endeavour,try)]

Measuring[(measurement,measuring,measure,mensuration)]

standards[]

cu[(copper,Cu,atomic\_number\_29)]

Girl[(girl)(girlfriend,girl,lady\_friend)(daughter,girl)(female\_child,girl,little\_girl)(girl,miss,missy,young\_lady,young\_woman,fille)]

This[]

list[(tilt,inclination,lean,leaning)(listing)]

account[(bill,invoice)(report)(accounting,account\_statement)(score)(explanation)(business\_relationship)(report,news\_report,story,write\_up)(history,chronicle,story)]

factors[]

disease[]

centimetres[]

laxifolius[]

conifer[(coniferous\_tree)]

center[(plaza,mall,shopping\_mall,shopping\_center,shopping\_centre)(centre)(centre)(snapper)(centre,nerve\_center,nerve\_centre)(centre,center\_of\_attention,centre\_of\_attention)(kernel,substance,core,centre,essence,gist,heart,heart\_and\_soul,inwardness,marrow,meat,nub,pith,sum,nitty-gritty)(centre,midpoint)(centre)(center\_field,centerfield)(centre,middle,heart,eye)]

heartwood[(duramen)]

decays[]

estimates[]

basis[(base)(base,foundation,fundament,groundwork,cornerstone)(footing,ground)]

rates[]

results[]

speculation[(meditation)(venture)(conjecture)(guess,conjecture,supposition,surmise,surmisal,hypothesis)]

method[(method\_acting)]

correlation[(correlational\_statistics)(correlation\_coefficient,coefficient\_of\_correlation)(correlativity)]

character[(grapheme,graphic\_symbol)(reference,character\_reference)(eccentric,type,case)(role,theatrical\_role,part,persona)(fiber,fibre)(quality,lineament)(fictional\_character,fictitious\_character)]

ages[]

japonica[(maule's\_quince,Chaenomeles\_japonica)(Camellia\_japonica)]

franklinii[]

Yew[(yew)(yew)]

village[(Greenwich\_Village,Village)(hamlet)(small\_town,settlement)]

angiosperm[(flowering\_plant)]

religiosa[]

planting[]

feet[]

loggers[]

sources[]

damage[(wrong,legal\_injury)(price,terms)(harm,hurt,scathe)(equipment\_casualty)(harm,impairment)]

insects[]

deer[(cervid)]

lightning[]

vehicles[]

impacts[]

construction[(building)(twist)(structure)(mental\_synthesis)(grammatical\_construction,expression)(building)]

activities[]

Construction[(construction,building)(construction,twist)(construction)(structure,construction)(construction,mental\_synthesis)(construction,grammatical\_construction,expression)(construction,building)]

grade[(degree,level)(ground\_level)(mark,score)(gradation)(grad)(level,tier)(class,form,course)]

aeration[]

chemicals[]

cement[(cementum)]

petroleum[(crude\_oil,crude,rock\_oil,fossil\_oil,oil)]

products[]

term[(terminus,terminal\_figure)(full\_term)(condition)]

hazard[(luck,fortune,chance)(jeopardy,peril,risk,endangerment)]

arborists[]

industry[(diligence,industriousness)(manufacture)]

power[(baron,big\_businessman,business\_leader,king,magnate,mogul,top\_executive,tycoon)(world\_power,major\_power,great\_power,superpower)(might,mightiness)(exponent,index)(force)(office)(ability)(powerfulness)]

line[(production\_line,assembly\_line)(dividing\_line,demarcation,contrast)(note,short\_letter,billet)(tune,melody,air,strain,melodic\_line,melodic\_phrase)(credit\_line,line\_of\_credit,bank\_line,personal\_credit\_line,personal\_line\_of\_credit)(agate\_line)(product\_line,line\_of\_products,line\_of\_merchandise,business\_line,line\_of\_business)(channel,communication\_channel)(occupation,business,job,line\_of\_work)(lineage,line\_of\_descent,descent,bloodline,blood\_line,blood,pedigree,ancestry,origin,parentage,stemma,stock)(telephone\_line,phone\_line,telephone\_circuit,subscriber\_line)(railway\_line,rail\_line)(pipeline)(wrinkle,furrow,crease,crinkle,seam)(course)(cable,transmission\_line)(argumentation,logical\_argument,argument,line\_of\_reasoning)]

operators[]

Hazard[(hazard)(luck,fortune,chance,hazard)(hazard,jeopardy,peril,risk,endangerment)]

windstorms[]

fall[(drop,dip,free\_fall)(drop)(pin)(twilight,dusk,gloaming,gloam,nightfall,evenfall,crepuscule,crepuscle)(capitulation,surrender)(downfall)(descent,declivity,decline,declination,declension,downslope)(Fall)(spill,tumble)(autumn)]

danger[(risk,peril)]

presents[]

process[(physical\_process)(outgrowth,appendage)(unconscious\_process)(summons)(cognitive\_process,mental\_process,operation,cognitive\_operation)(procedure)]

field[(airfield,landing\_field,flying\_field)(field\_of\_view)(field\_of\_operations,theater,theater\_of\_operations,theatre,theatre\_of\_operations)(plain,champaign)(playing\_field,athletic\_field,playing\_area)(sphere,domain,area,orbit,arena)(field\_of\_operation,line\_of\_business)(field\_of\_force,force\_field)(discipline,subject,subject\_area,subject\_field,field\_of\_study,study,bailiwick)(battlefield,battleground,field\_of\_battle,field\_of\_honor)]

examination[(testing)(examen)(interrogation,interrogatory)(exam,test)(scrutiny)]

Assessment[(judgment,judgement,assessment)(assessment)(assessment)(appraisal,assessment)]

result[(resultant\_role)(resultant,final\_result,outcome,termination)(solution,answer,resolution,solvent)(consequence,effect,outcome,event,issue,upshot)]

severity[(severeness,harshness,rigor,rigour,rigorousness,rigourousness,inclemency,hardness,stiffness)(austereness,severeness)(asperity,grimness,hardship,rigor,rigour,severeness,rigorousness,rigourousness)(badness,severeness)]

extent[]

duration[(length)(continuance)(continuance)]

Severity[(severity,severeness,harshness,rigor,rigour,rigorousness,rigourousness,inclemency,hardness,stiffness)(austereness,severity,severeness)(asperity,grimness,hardship,rigor,rigour,severity,severeness,rigorousness,rigourousness)(badness,severity,severeness)]

degree[(arcdegree)(academic\_degree)(level,stage,point)(grade,level)]

intrusion[(trespass,encroachment,violation,usurpation)(invasion,encroachment)]

loss[(passing,departure,exit,expiration,going,release)(personnel\_casualty)(red\_ink,red)(deprivation)]

Extent[(extent)(extent)]

percentage[(share,portion,part)(percent,per\_centum,pct)]

factor[(gene,cistron)(agent,broker)(divisor)(component,constituent,element,ingredient)]

time[(prison\_term,sentence)(meter,metre)(fourth\_dimension)(clock\_time)(clip)]

Root[(root,tooth\_root)(etymon,root)(ancestor,ascendant,ascendent,antecedent,root)(solution,root)(root)(root,root\_word,base,stem,theme,radical)(beginning,origin,root,rootage,source)(root)]

people[(multitude,masses,mass,hoi\_polloi,the\_great\_unwashed)(citizenry)]

types[]

trauma[(psychic\_trauma)(injury,hurt,harm)]

death[(end,destruction)(Death)(last)(dying,demise)(decease,expiry)]

Arborists[]

disturbance[(noise,interference)(mental\_disorder,mental\_disturbance,psychological\_disorder,folie)(affray,fray,ruffle)(disruption,commotion,flutter,hurly\_burly,to-do,hoo-ha,hoo-hah,kerfuffle)(perturbation,upset)(perturbation)]

professionals[]

reason[(cause,grounds)(rationality,reasonableness)(understanding,intellect)(ground)]

confusion[(mix-up)(discombobulation)(mental\_confusion,confusedness,muddiness,disarray)]

dormancy[(quiescence,quiescency,sleeping)(quiescence,quiescency)]

winter[(wintertime)]

symptoms[]

months[]

persons[]

arboriculture[(tree\_farming)]

cause[(lawsuit,suit,case,causa)(causal\_agent,causal\_agency)(campaign,crusade,drive,movement,effort)(reason,grounds)]

effect[(force)(essence,burden,core,gist)(impression)(consequence,outcome,result,event,issue,upshot)]

organizations[]

importance[(grandness)]

impact[(shock)(impingement,encroachment)(wallop)]

health[(wellness)]

losses[(losings)]

remediation[(redress,remedy)]

replacement[(successor)(refilling,replenishment,renewal)(substitute)(substitution,permutation,transposition,switch)(surrogate,alternate)(replacing)]

costs[]

violation[(rape,assault,ravishment)(irreverence)(trespass,encroachment,intrusion,usurpation)(infringement)(misdemeanor,misdemeanour,infraction,infringement)]

government[(politics,political\_science)(governing,governance,government\_activity,administration)(authorities,regime)]

ordinances[]

community[(biotic\_community)(residential\_district,residential\_area)(community\_of\_interests)]

subdivision[(subsection)(section)(branch,arm)]

restrictions[]

protocols[]

management[(direction)]

steps[(stairs)]

inventory[(inventorying,stocktaking,stock-taking)(armory,armoury)(stock)(stock\_list)]

Application[(application)(application,diligence)(lotion,application)(application,application\_program,applications\_programme)(application,coating,covering)(application)(application,practical\_application)]

potential[(electric\_potential,potential\_difference,potential\_drop,voltage)(potentiality,potency)]

damages[(amends,indemnity,indemnification,restitution,redress)]

protection[(tribute)(trade\_protection)(auspices,aegis)(shelter)(security)(protective\_covering,protective\_cover)]

plan[(architectural\_plan)(design)(program,programme)]

post[(mail,mail\_service,postal\_service)(stake)(mail)(Post,C.\_W.\_Post,Charles\_William\_Post)(Post,Emily\_Post,Emily\_Price\_Post)(Post,Wiley\_Post)(position,berth,office,spot,billet,place,situation)(military\_post)(station)]

Implementation[(implementation,effectuation)(execution,implementation,carrying\_out)]

zones[]

off[]

directions[]

base[(infrastructure)(root,root\_word,stem,theme,radical)(al-Qaeda,Qaeda,al-Qa'ida,al-Qaida,Base)(home)(radix)(basis)(alkali)(nucleotide)(pedestal,stand)(basis,foundation,fundament,groundwork,cornerstone)(floor)(bag)(foundation,fundament,foot,groundwork,substructure,understructure)(base\_of\_operations)]

crowns[]

inches[]

mm[(millimeter,millimetre)]

inch[(column\_inch)(in)]

information[(selective\_information,entropy)(data)(info)]

topics[]

cost[(price,toll)(monetary\_value,price)]

article[(clause)]

mythology[]

symbol[(symbolization,symbolisation,symbolic\_representation)]

icons[]

instance[(example,illustration,representative)(case,example)]

life[(life\_sentence)(biography,life\_story,life\_history)(liveliness,spirit,sprightliness)(lifetime,life-time,lifespan)(animation,living,aliveness)(living)]

nature[]

environment[(environs,surroundings,surround)]

misconception[]

mass[(Mass)(Mass)(bulk,volume)(multitude,masses,hoi\_polloi,people,the\_great\_unwashed)(Mass)(batch,deal,flock,good\_deal,great\_deal,hatful,heap,lot,mess,mickle,mint,mountain,muckle,passel,peck,pile,plenty,pot,quite\_a\_little,raft,sight,slew,spate,stack,tidy\_sum,wad)]

fact[]

Studies[]

land[(farming)(Land,Din\_Land,Edwin\_Herbert\_Land)(state,nation,country,commonwealth,res\_publica,body\_politic)(nation,country)(estate,landed\_estate,acres,demesne)(kingdom,realm)(country,state)(dry\_land,earth,ground,solid\_ground,terra\_firma)(domain,demesne)(ground,soil)]

marke[]

fish[(Pisces,Pisces\_the\_Fishes,Fish)(Pisces,Fish)]

vertebrate[(craniate)]

animal[(animate\_being,beast,brute,creature,fauna)]

limbs[]

digits[]

hagfish[(hag,slime\_eels)]

lampreys[]

tetrapods[]

amphibians[]

reptiles[]

birds[]

mammals[]

ancestry[(lineage,derivation,filiation)(lineage,line,line\_of\_descent,descent,bloodline,blood\_line,blood,pedigree,origin,parentage,stemma,stock)]

pisces[(Pisces)(Pisces)(Pisces,Fish)(Pisces,Pisces\_the\_Fishes,Fish)]

ichthyes[]

classification[(categorization,categorisation,sorting)(categorization,categorisation)(categorization,categorisation,compartmentalization,compartmentalisation,assortment)]

body[(soundbox)(consistency,consistence,eubstance)(torso,trunk)(dead\_body)(organic\_structure,physical\_structure)]

Fish[(Pisces,Pisces\_the\_Fishes)(Pisces)(fish)(fish)]

bodies[]

environments[]

mountain[(batch,deal,flock,good\_deal,great\_deal,hatful,heap,lot,mass,mess,mickle,mint,muckle,passel,peck,pile,plenty,pot,quite\_a\_little,raft,sight,slew,spate,stack,tidy\_sum,wad)(mount)]

streams[]

depths[]

oceans[]

gulpers[]

anglerfish[(goosefish,angler,angler\_fish,monkfish,lotte,allmouth,Lophius\_Americanus)]

exhibit[(display,showing)]

class[(year)(division)(course,course\_of\_study,course\_of\_instruction)(stratum,social\_class,socio-economic\_class)(form,grade,course)(category,family)]

food[(food\_for\_thought,intellectual\_nourishment)(solid\_food)(nutrient)]

resource[(resourcefulness,imagination)]

subsistence[]

fishers[]

fisheries[]

ponds[]

cages[]

ocean[(sea)]

aquaculture[]

pets[]

fishkeepers[]

aquaria[]

deities[]

symbols[]

subjects[]

art[(artwork,graphics,nontextual\_matter)(artistry,prowess)(artistic\_creation,artistic\_production)(fine\_art)]

books[]

movies[]

Contents[(contents,table\_of\_contents)]

Diversity[(diversity)(diverseness,diversity,multifariousness,variety)]

Taxonomy[(taxonomy)(taxonomy)(taxonomy)]

Anatomy[(anatomy)(human\_body,physical\_body,material\_body,soma,build,figure,physique,anatomy,shape,bod,chassis,frame,form,flesh)(anatomy,general\_anatomy)]

Respiration[(breathing,external\_respiration,respiration,ventilation)(respiration)(respiration,internal\_respiration,cellular\_respiration)]

Circulation[(circulation)(circulation)(circulation)(circulation)(circulation)(circulation)]

Digestion[(digestion)(digestion)(digestion)]

Excretion[(body\_waste,excretion,excreta,excrement,excretory\_product)(elimination,evacuation,excretion,excreting,voiding)]

Sensory[]

system[(organization,organisation)(arrangement,organization,organisation)(system\_of\_rules)(scheme)]

Sense[(sense)(common\_sense,good\_sense,gumption,horse\_sense,sense,mother\_wit)(sense,sensation,sentience,sentiency,sensory\_faculty)(sense,signified)(sense)]

Capacity[(capacity)(capacity,mental\_ability)(capacitance,electrical\_capacity,capacity)(capacity)(capacity)(capacity)(capacity,content)(capability,capacity)(capacity)]

pain[(annoyance,bother,botheration,infliction,pain\_in\_the\_neck,pain\_in\_the\_ass)(pain\_in\_the\_neck,nuisance)(pain\_sensation,painful\_sensation)(painfulness)(hurting)]

Evolution[(evolution,organic\_evolution,phylogeny,phylogenesis)(development,evolution)]

Importance[(importance,grandness)(importance)]

humans[(world,human\_race,humanity,humankind,human\_beings,mankind,man)]

Recreation[(refreshment,recreation)(diversion,recreation)]

Overfishing[]

destruction[(end,death)(demolition,wipeout)(devastation)]

Aquarium[(aquarium,fish\_tank,marine\_museum)]

fishes[]

Shoal[(school,shoal)(shoal,shallow)(shoal)]

school[(shoal)(schooltime,school\_day)(schooling)(schoolhouse)]

Notes[]

shapes[]

sizes[]

sea[(ocean)]

relative[(congener,congenator,congeneric)(relation)]

seahorse[(sea\_horse)(walrus,sea\_horse)]

appendages[]

seaweed[]

tetrapod[]

craniate[(vertebrate)]

skull[]

backbone[(spine)(spinal\_column,vertebral\_column,spine,back,rachis)(grit,guts,moxie,sand,gumption)(anchor,mainstay,keystone,linchpin,lynchpin)]

gills[]

groupings[]

clade[]

collection[(collecting,assembling,aggregation)(solicitation,appeal,ingathering)(compendium)(aggregation,accumulation,assemblage)]

taxa[]

hagfishes[]

sharks[]

rays[]

coelacanths[]

lungfish[]

relatives[]

ancestor[(ascendant,ascendent,antecedent,root)]

biology[(biota)(biological\_science)]

animals[]

sense[(common\_sense,good\_sense,gumption,horse\_sense,mother\_wit)(sensation,sentience,sentiency,sensory\_faculty)(signified)]

shellfish[(mollusk,mollusc)]

cuttlefish[(cuttle)]

starfish[(sea\_star)]

crayfish[(spiny\_lobster,langouste,rock\_lobster,crawfish,sea\_crawfish)(crawfish,crawdad,crawdaddy)(crawfish,crawdad,ecrevisse)(spiny\_lobster,langouste,rock\_lobster)]

jellyfish[(Portuguese\_man-of-war,man-of-war)]

biologists[]

distinction[(eminence,preeminence,note)(differentiation)]

century[(hundred,100,C,one\_C)]

historians[]

seals[]

whales[]

crocodiles[]

hippopotamuses[]

host[(server)(Host)(innkeeper,boniface)(legion)(master\_of\_ceremonies,emcee)(horde,legion)]

invertebrates[]

Cetaceans[]

contexts[]

finfish[]

fin[(flipper)(louver,louvre)(tail\_fin,tailfin)(five,5,V,cinque,quint,quintet,fivesome,quintuplet,pentad,Phoebe,Little\_Phoebe)]

swimming[(swim)]

breathing[(external\_respiration,respiration,ventilation)]

organ[(harmonium,reed\_organ)(pipe\_organ)(electric\_organ,electronic\_organ,Hammond\_organ)]

sets[]

fins[]

jaws[]

skin[(peel)(hide,pelt)(tegument,cutis)]

scales[]

eggs[(egg)]

criterion[(standard)(standard,measure,touchstone)]

exceptions[]

Tuna[(tuna,Anguilla\_sucklandii)(tuna,tunny)(tuna,tuna\_fish,tunny)(tuna,Opuntia\_tuna)]

swordfish[(Xiphias\_gladius)]

they[]

performance[(operation,functioning)(execution,carrying\_out,carrying\_into\_action)(public\_presentation)]

tuna[(Anguilla\_sucklandii)(tunny)(tuna\_fish,tunny)(Opuntia\_tuna)]

salmon[(Salmon,Salmon\_River)]

jacks[(jackstones,knucklebones)]

lengths[]

eels[]

freshwater[(fresh\_water)]

extract[(excerpt,excerption,selection)(infusion)]

air[(air\_travel,aviation)(airwave)(tune,melody,strain,melodic\_line,line,melodic\_phrase)(atmosphere)(breeze,zephyr,gentle\_wind)(aura,atmosphere)]

structures[]

Lungfish[(lungfish)]

lungs[]

gouramis[]

labyrinth[(inner\_ear,internal\_ear)(maze)]

function[(routine,subroutine,subprogram,procedure)(affair,occasion,social\_occasion,social\_function)(office,part,role)(purpose,role,use)(mathematical\_function,single-valued\_function,map,mapping)]

catfish[(siluriform\_fish)(wolffish,wolf\_fish)(mudcat)]

intestine[(bowel,gut)]

Body[(body)(soundbox,body)(body)(body)(consistency,consistence,eubstance,body)(body)(torso,trunk,body)(body)(body,dead\_body)(body)(body,organic\_structure,physical\_structure)]

seahorses[]

pufferfish[(puffer,blowfish,globefish)(blowfish,sea\_squab,puffer)]

surface[(airfoil,aerofoil,control\_surface)(open)(Earth's\_surface)]

moray[(moray\_eel)]

gars[]

bichirs[]

cycloid[]

Mudskippers[]

mudflats[]

cisternarum[]

lives[]

habitats[]

range[(stove,kitchen\_stove,kitchen\_range,cooking\_stove)(compass,reach,grasp)(image,range\_of\_a\_function)(mountain\_range,range\_of\_mountains,chain,mountain\_chain,chain\_of\_mountains)(reach)(scope,reach,orbit,compass,ambit)]

metre[(meter,time)(meter,measure,beat,cadence)(meter,m)]

whale[(giant,hulk,heavyweight)]

shark[]

infantfish[]

works[(workings)(deeds)(whole\_shebang,whole\_kit\_and\_caboodle,kit\_and\_caboodle,whole\_kit\_and\_boodle,kit\_and\_boodle,whole\_kit,whole\_caboodle,whole\_works,full\_treatment)(plant,industrial\_plant)]

classifications[]

conodonts[]

vertebrates[]

sturgeons[]

paddlefishes[]

reedfishes[]

bowfins[]

taxon[(taxonomic\_group,taxonomic\_category)]

palaeontologists[]

chordates[]

treatment[(discussion,discourse)(handling)(intervention)]

taxonomy[]

position[(stead,place,l

**Output Results for Hypernyms:**

boxer[(working\_dog)(Chinese)(workman,workingman,working\_man,working\_person)(combatant,battler,belligerent,fighter,scrapper)]

stall[(obstruction)(alcove,bay)(seating,seats,seating\_room,seating\_area)(malfunction)(booth)(closet)(compartment)]

tree[(plane\_figure,two-dimensional\_figure)(woody\_plant,ligneous\_plant)]

plant[(contrivance,stratagem,dodge)(actor,histrion,player,thespian,role\_player)(organism,being)(building\_complex,complex)]

branches[]

ground[(coat\_of\_paint)(surface)(connection,connexion,connector,connecter,connective)(percept,perception,perceptual\_experience)(object,physical\_object)(view,aspect,prospect,scene,vista,panorama)(military\_position,position)(foundation)(material,stuff)(rational\_motive)(object,physical\_object)]

stem[(turn,turning)(front)(tube,tubing)(cylinder)(plant\_organ)(form,word\_form,signifier,descriptor)]

trunk[(snout,neb)(compartment)(body\_part)(baggage,luggage)(stalk,stem)]

height[(elevation)(bodily\_property)(degree,level,stage,point)(dimension)]

specification[(restriction,confinement)(document,written\_document,papers)(naming)(description,verbal\_description)]

maturity[(date,day\_of\_the\_month)(state)(time\_of\_life)]

authors[]

m[(letter,letter\_of\_the\_alphabet,alphabetic\_character)(computer\_memory\_unit)(computer\_memory\_unit)(large\_integer)(concentration)(metric\_linear\_unit)]

minimum[(limit)(extremum,peak)(small\_indefinite\_quantity,small\_indefinite\_amount)]

cm[(metallic\_element,metal)(metric\_linear\_unit)]

diameter[(straight\_line)(length)]

plants[]

definitions[]

multiple[(product,mathematical\_product)]

size[(magnitude)(situation,state\_of\_affairs)(filler)(property)(magnitude)]

shrubs[]

trees[]

years[(life)(time\_period,period\_of\_time,period)(time\_of\_life)]

ft[(linear\_unit,linear\_measure)]

component[(part,portion)(relation)(part,section,division)]

landscape[(point\_of\_view,viewpoint,stand,standpoint)(genre)(painting,picture)(scenery)]

prevention[(hindrance,hinderance,interference)]

erosion[(chemical\_process,chemical\_change,chemical\_action)(decline,diminution)(environmental\_condition)(geological\_process,geologic\_process)]

provision[(store,stock,fund)(thinking,thought,thought\_process,cerebration,intellection,mentation)(activity)(condition,precondition,stipulation)]

ecosystem[(system,scheme)]

foliage[(architectural\_ornament)(plant\_organ)]

role[(activity)(utility,usefulness)(portrayal,characterization,enactment,personation)(duty)]

oxygen[(chemical\_element,element)(gas)]

carbon[(copy)(paper)(chemical\_element,element)]

dioxide[(oxide)]

atmosphere[(quality)(gas)(weather,weather\_condition,conditions,atmospheric\_condition)(region,part)(pressure\_unit)(condition,status)]

temperatures[]

elements[(weather,weather\_condition,conditions,atmospheric\_condition)]

agriculture[(class,stratum,social\_class,socio-economic\_class)(executive\_department)(cultivation)(commercial\_enterprise,business\_enterprise,business)]

appeal[(request,petition,postulation)(proceeding,legal\_proceeding,proceedings)(attractiveness)(request,asking)]

orchard[(garden)]

crops[]

apples[]

Wood[(golf\_club,golf-club,club)(wind\_instrument,wind)(vegetation,flora,botany)(plant\_material,plant\_substance)]

building[(gathering,assemblage)(commercial\_enterprise,business\_enterprise,business)(creating\_from\_raw\_materials)(structure,construction)]

material[(applicant,applier)(equipment)(artifact,artefact)(information,info)(substance)]

energy[(executive\_department)(physical\_phenomenon)(good\_health,healthiness)(liveliness,life,spirit,sprightliness)(drive)(force,forcefulness,strength)(physical\_phenomenon)]

source[(publication)(thing)(natural\_process,natural\_action,action,activity)(maker,shaper)(communicator)(facility,installation)(inspiration)(document,written\_document,papers)(point)]

countries[]

Trees[]

world[(homo,man,human\_being,human)(group,grouping)(concern)(part,piece)(people)(experience)(class,stratum,social\_class,socio-economic\_class)(natural\_object)]

mythologies[]

Classification[(restriction,confinement)(basic\_cognitive\_process)(arrangement)(grouping)]

Morphology[(geophysics,geophysical\_science)(structure)(grammar)(biology,biological\_science)]

breaking[(change\_of\_integrity)]

Damage[(injury)(cost)(change\_of\_integrity)(casualty)(change,alteration,modification)]

culture[(cultivation)(attitude,mental\_attitude)(perfection,flawlessness,ne\_plus\_ultra)(growth,growing,maturation,development,ontogeny,ontogenesis)(content,cognitive\_content,mental\_object)(taste,appreciation,discernment,perceptiveness)(society)]

Tree[(plane\_figure,two-dimensional\_figure)(woody\_plant,ligneous\_plant)]

value[(ideal)(duration,continuance)(color\_property)(measure,quantity,amount)(worth)(numerical\_quantity)]

estimation[(judgment,judgement,assessment)(calculation,computation,figuring,reckoning)(respect,esteem,regard)(commercial\_document,commercial\_instrument)]

References[]

Bibliography[(list,listing)]

links[(golf\_course,links\_course)]

form[(mold,mould,cast)(dummy)(ability)(gathering,assemblage)(state\_of\_matter,state)(manner,mode,style,way,fashion)(writing\_style,literary\_genre,genre)(taxonomic\_group,taxonomic\_category,taxon)(document,written\_document,papers)(appearance,visual\_aspect)(attribute)(body,organic\_structure,physical\_structure)(spatial\_property,spatiality)(structure)(category)(word)]

orders[]

families[]

variety[(difference)(category)(show)(taxonomic\_group,taxonomic\_category,taxon)(heterogeneity,heterogeneousness)(collection,aggregation,accumulation,assemblage)]

growth[(object,physical\_object)(illness,unwellness,malady,sickness)(beginning)(vegetation,flora,botany)(process,physical\_process)(development,evolution)(organic\_process,biological\_process)]

forms[]

leaf[(section,segment)(sheet,piece\_of\_paper,sheet\_of\_paper)(plant\_organ)]

type[(block)(symbol)(character,grapheme,graphic\_symbol)(taxonomic\_group,taxonomic\_category,taxon)(adult,grownup)(kind,sort,form,variety)]

shape[(structure)(high\_command,supreme\_headquarters)(good\_health,healthiness)(appearance,visual\_aspect)(concretism,concrete\_representation)(body,organic\_structure,physical\_structure)(attribute)(spatial\_property,spatiality)]

bark[(cry)(sailing\_vessel,sailing\_ship)(noise)(covering,natural\_covering,cover)]

characteristics[]

organs[(meat)]

classes[]

response[(manner,mode,style,way,fashion)(speech\_act)(phrase)(greeting,salutation)(statement)(bodily\_process,body\_process,bodily\_function,activity)(consequence,effect,outcome,result,event,issue,upshot)]

challenges[]

example[(lesson)(happening,occurrence,occurrent,natural\_event)(admonition,monition,warning,word\_of\_advice)(ideal)(representation,mental\_representation,internal\_representation)(information)]

evolution[(organic\_process,biological\_process)(process,physical\_process)]

estimate[(respect,esteem,regard)(statement)(commercial\_document,commercial\_instrument)(judgment,judgement,assessment)(calculation,computation,figuring,reckoning)]

species[(kind,sort,form,variety)(taxonomic\_group,taxonomic\_category,taxon)]

number[(merchandise,ware,product)(grammatical\_category,syntactic\_category)(size)(positive\_identification)(company)(periodical)(symbol)(signal,signaling,sign)(performance,public\_presentation)(definite\_quantity)(amount)]

percent[(proportion)]

majority[(age,eld)(relative\_quantity)(number,figure)]

regions[]

areas[]

botanists[]

diversity[(condition,status)(heterogeneity,heterogeneousness)]

ferns[]

horsetails[]

lycophytes[]

forests[]

period[(punctuation,punctuation\_mark)(discharge,emission,expelling)(end,ending)(geological\_time,geologic\_time)(part,section,division)(time\_interval,interval)(fundamental\_quantity,fundamental\_measure)]

conifers[]

ginkgos[]

cycads[]

gymnosperms[]

today[(day,twenty-four\_hours,twenty-four\_hour\_period,24-hour\_interval,solar\_day,mean\_solar\_day)(present,nowadays)]

Angiosperms[]

listing[(organization,organisation)(database)]

examples[]

genera[]

group[(set)(unit,building\_block)(abstraction,abstract\_entity)]

grove[(garden)(forest,wood,woods)]

copse[(vegetation,flora,botany)]

forest[(land,dry\_land,earth,ground,solid\_ground,terra\_firma)(biome)(vegetation,flora,botany)]

biotopes[]

rainforest[(forest,wood,woods)]

taiga[]

ecozones[]

grassland[(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)(biome)]

savanna[(grassland)]

age[(time\_of\_life)(time\_period,period\_of\_time,period)(time\_of\_life)(era,epoch)(property)]

woodland[(land,dry\_land,earth,ground,solid\_ground,terra\_firma)(biome)]

sapling[(tree)]

roots[(condition)]

structure[(system,scheme)(body\_part)(cognition,knowledge,noesis)(constitution,composition,physical\_composition,makeup,make-up)(artifact,artefact)]

water[(liquid)(food,nutrient)(nutrient)(body\_waste,excretion,excreta,excrement,excretory\_product)(facility,installation)(element)(thing)(binary\_compound)(liquid)]

nutrients[]

parts[(environment,environs,surroundings,surround)]

s[(physical\_property)(letter,letter\_of\_the\_alphabet,alphabetic\_character)(conductance\_unit)(cardinal\_compass\_point)(chemical\_element,element)(time\_unit,unit\_of\_time)]

twigs[]

leaves[]

support[(resource)(device)(part,voice)(activity)(supporting\_structure)(resource)(validation,proof,substantiation)(operation,military\_operation)(influence)(aid,assist,assistance,help)(activity)]

transport[(movement)(mechanism)(emotional\_state,spirit)(commercial\_enterprise,business\_enterprise,business)(diffusion)(instrumentality,instrumentation)]

tissues[]

xylem[(vascular\_tissue)]

phloem[(vascular\_tissue)]

cells[]

cambium[(stratum)(vascular\_tissue)]

way[(share,portion,part,percentage)(category)(choice,pick,selection)(distance)(position,spatial\_relation)(journey,journeying)(artifact,artefact)(course,course\_of\_action)(condition,status)(path,route,itinerary)(implementation,effectuation)(property)]

increases[]

broadleaf[]

addition[(arithmetic\_operation)(suburb,suburbia,suburban\_area)(acquisition)(indefinite\_quantity)(increase,step-up)(component,constituent,element)]

wood[(golf\_club,golf-club,club)(wind\_instrument,wind)(vegetation,flora,botany)(plant\_material,plant\_substance)]

outwards[]

monocotyledons[]

palms[]

dragon[(agamid,agamid\_lizard)(unpleasant\_woman,disagreeable\_woman)(mythical\_monster,mythical\_creature)]

cacti[]

inwards[]

rings[(gymnastic\_apparatus,exerciser)]

climate[(condition,status)(environmental\_condition)]

changes[]

times[(arithmetic\_operation)(time\_period,period\_of\_time,period)]

year[(gathering,assemblage)(time\_period,period\_of\_time,period)(time\_period,period\_of\_time,period)(time\_period,period\_of\_time,period)]

climates[]

dry[(reformer,reformist,crusader,social\_reformer,meliorist)]

season[(time\_period,period\_of\_time,period)(time\_period,period\_of\_time,period)(time\_period,period\_of\_time,period)]

alternation[(succession,sequence)]

pair[(poker\_hand)(gathering,assemblage)(two,2,II,deuce)(set)]

seasons[]

pairs[]

desert[(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)(biome)]

rainfall[(precipitation,downfall)]

ring[(strip,slip)(jewelry,jewellery)(platform)(sound)(association)(chain,chemical\_chain)(band)(toroid)(sound)]

change[(difference)(cash,hard\_cash,hard\_currency)(coin)(clothing,article\_of\_clothing,vesture,wear,wearable,habiliment)(thing)(cash,hard\_cash,hard\_currency)(consequence,effect,outcome,result,event,issue,upshot)(action)(relation)(happening,occurrence,occurrent,natural\_event)]

texture[(constitution,composition,physical\_composition,makeup,make-up)(visual\_property)(musicality,musicalness)(quality,character,lineament)(tactile\_property,feel)]

date[(edible\_fruit)(day,twenty-four\_hours,twenty-four\_hour\_period,24-hour\_interval,solar\_day,mean\_solar\_day)(calendar\_day,civil\_day)(calendar\_month,month)(calendar\_year,civil\_year)(present,nowadays)(point,point\_in\_time)(meeting,get\_together)(companion,comrade,fellow,familiar,associate)(day,twenty-four\_hours,twenty-four\_hour\_period,24-hour\_interval,solar\_day,mean\_solar\_day)]

cores[]

past[(tense)(time\_period,period\_of\_time,period)(time)]

practice[(cognition,knowledge,noesis)(use,usage,utilization,utilisation,employment,exercise)(implementation,effectuation)(training,preparation,grooming)(activity)]

science[(ability,power)(discipline,subject,subject\_area,subject\_field,field,field\_of\_study,study,bailiwick)]

dendrochronology[]

manner[(kind,sort,form,variety)(demeanor,demeanour,behavior,behaviour,conduct,deportment)(property)]

Age[(time\_of\_life)(time\_period,period\_of\_time,period)(time\_of\_life)(era,epoch)(property)]

determination[(choice,selection,option,pick)(decision\_making,deciding)(judgment,judgement,mind)(resoluteness,firmness,firmness\_of\_purpose,resolve,resolution)(discovery,find,uncovering)]

earth[(connection,connexion,connector,connecter,connective)(concern)(element)(location)(object,physical\_object)(material,stuff)]

anchorage[(arrival)(area,country)(fee)(condition,status)]

biomass[(mass)(fuel)]

soil[(geographical\_area,geographic\_area,geographical\_region,geographic\_region)(object,physical\_object)(earth,ground)(dirtiness,uncleanness)]

photosynthesis[(chemical\_process,chemical\_change,chemical\_action)]

bearing[(support)(heraldry)(bodily\_property)(manner,personal\_manner)(direction,way)(relatedness)]

competition[(contestant)(group\_action)(social\_event)(business\_relation)]

sunlight[(light,visible\_light,visible\_radiation)]

arrangement[(composing,composition)(musical\_composition,opus,composition,piece,piece\_of\_music)(position,spatial\_relation)(structure)(group,grouping)(planning,preparation,provision)]

exposure[(abandonment,forsaking,desertion)(presentation,presentment,demonstration)(photography,picture\_taking)(representation)(light\_unit)(danger)(view,aspect,prospect,scene,vista,panorama)(disclosure,revelation,revealing)(influence)(vulnerability)]

palm[(award,accolade,honor,honour,laurels)(tree)(linear\_unit,linear\_measure)(area,region)]

saguaro[(cactus)]

cactus[(succulent)]

trunks[(trouser,pant)]

or[(hospital\_room)]

shrub[(woody\_plant,ligneous\_plant)]

differentiation[(adaptation,adaption,adjustment)(mathematical\_process,mathematical\_operation,operation)(discrimination,secernment)]

bonsai[(tree)]

reference[(meaning,substance)(code,computer\_code)(publication)(action)(meaning,substance)(recommendation,testimonial,good\_word)(book)(indicator)(note,annotation,notation)(remark,comment,input)]

specimens[]

seedling[(spermatophyte,phanerogam,seed\_plant)]

definition[(distinctness,sharpness)(explanation,account)]

spruces[]

Record[(list,listing)(document)(attainment)(fact)(accomplishment,achievement)(number)(sound\_recording,audio\_recording,audio)(evidence)]

champion[(expert)(advocate,advocator,proponent,exponent)(defender,guardian,protector,shielder)(rival,challenger,competitor,competition,contender)]

girth[(stable\_gear,saddlery,tack)(circumference,perimeter)]

heights[(topographic\_point,place,spot)]

subject[(term)(person,individual,someone,somebody,mortal,soul)(person,individual,someone,somebody,mortal,soul)(constituent,grammatical\_constituent)(content,cognitive\_content,mental\_object)(knowledge\_domain,knowledge\_base,domain)(thing)(message,content,subject\_matter,substance)]

dispute[(resistance)(disagreement)]

exaggeration[(misrepresentation,deceit,deception)(increase,step-up)(trope,figure\_of\_speech,figure,image)]

measurements[]

laser[(optical\_device)]

rangefinders[]

measuring[(activity)]

devices[(inclination,disposition,tendency)]

tape[(memory\_device,storage\_device)(measuring\_instrument,measuring\_system,measuring\_device)(finishing\_line,finish\_line)(recording)(strip,slip)]

drop[(descent)(depository,deposit,depositary,repository)(curtain,drape,drapery,mantle,pall)(descent)(gravitation)(hiding\_place)(geological\_formation,formation)(decrease,decrement)(small\_indefinite\_quantity,small\_indefinite\_amount)(sphere)]

climbers[]

canopy[(shelter)(fabric,cloth,material,textile)(covering)]

researchers[]

members[]

groups[]

methods[]

exaggerations[]

claims[]

error[(misstatement)(happening,occurrence,occurrent,natural\_event)(evil,evilness)(failure)(misconception)(incorrectness,wrongness)(nonaccomplishment,nonachievement)]

records[]

rosewood[(tree)(wood)]

quadrialatus[]

decorations[]

top[(canvas\_tent,canvas,canvass)(woman's\_clothing)(covering)(plaything,toy)(platform)(intensity,intensiveness)(degree,level,stage,point)(turn,bout,round)(topographic\_point,place,spot)(side,face)(region,part)]

sitchensis[]

globulus[]

island[(zone)(land,dry\_land,earth,ground,solid\_ground,terra\_firma)]

delegatensis[]

view[(appearance,visual\_aspect)(scope,range,reach,orbit,compass,ambit)(graphic\_art)(purpose,intent,intention,aim,design)(message,content,subject\_matter,substance)(belief)(range,reach)(look,looking,looking\_at)(visual\_percept,visual\_image)(orientation)]

Stoutest[]

matter[(writing,written\_material,piece\_of\_writing)(consequence,import,moment)(trouble,problem)(physical\_entity)(content,cognitive\_content,mental\_object)(concern)]

round[(rotating\_mechanism)(crosspiece)(applause,hand\_clapping,clapping)(partsong)(cut\_of\_beef)(helping,portion,serving)(path,track,course)(part,section,division)(habitude)(golf,golf\_game)(call)(path,route,itinerary)(time\_interval,interval)(ammunition,ammo)]

circumference[(length)(boundary\_line,border,borderline,delimitation,mete)(size)]

author[(maker,shaper)(communicator)]

comment[(report,account)(statement)(statement)]

yew[(conifer,coniferous\_tree)(wood)]

aberrations[]

yews[]

belief[(idea,thought)(content,cognitive\_content,mental\_object)]

bole[(West\_Chadic)(stalk,stem)(pigment)(soil,dirt)]

standard[(flag)(post)(value)(volume\_unit,capacity\_unit,capacity\_measure,cubage\_unit,cubic\_measure,cubic\_content\_unit,displacement\_unit,cubature\_unit)(ideal)(system\_of\_measurement,metric)]

breast[(external\_body\_part)(helping,portion,serving)(mammary\_gland,mamma)(external\_body\_part)]

forestry[(biology,biological\_science)]

situations[]

measure[(container)(measuring\_instrument,measuring\_system,measuring\_device)(musical\_notation)(poetic\_rhythm,rhythmic\_pattern,prosody)(system\_of\_measurement,metric)(activity)(legal\_document,legal\_instrument,official\_document,instrument)(abstraction,abstract\_entity)(maneuver,manoeuvre,tactical\_maneuver,tactical\_manoeuvre)]

cases[]

difference[(number)(change)(disagreement)(variation,fluctuation)(quality)]

point[(contact,tangency)(wall\_socket,wall\_plug,electric\_outlet,electrical\_outlet,outlet,electric\_receptacle)(gun\_muzzle,muzzle)(characteristic)(taper)(mathematical\_notation)(mark)(punctuation,punctuation\_mark)(loan)(linear\_unit,linear\_measure)(direction)(end,terminal)(characteristic)(relevance,relevancy)(part,portion,component\_part,component,constituent)(promontory,headland,head,foreland)(unit\_of\_measurement,unit)(disk,disc,saucer)(convex\_shape,convexity)(aim,object,objective,target)(measure,quantity,amount)(state)(fact)(meaning,significance,signification,import)(location)(component,constituent,element,factor,ingredient)]

use[(legal\_right)(influence)(custom,usage,usance)(demand)(utility,usefulness)(utility,usefulness)(activity)]

average[(scale\_value)(ratio)(statistic)]

points[]

citation[(summons,process)(excerpt,excerption,extract,selection)(note,annotation,notation)(speech\_act)(award,accolade,honor,honour,laurels)]

level[(structure,construction)(place)(surface)(indicator)(altitude,height)(state)(rank)(property)]

measurement[(activity)]

crevice[(opening,gap)(depression,impression,imprint)]

trends[]

Diameter[(straight\_line)(length)]

p[(letter,letter\_of\_the\_alphabet,alphabetic\_character)(chemical\_element,element)]

section[(cut,cutting)(segment)(division)(army\_unit)(musical\_organization,musical\_organisation,musical\_group)(class,form,grade,course)(area,expanse,surface\_area)(square\_mile)(concept,conception,construct)(team,squad)(part,portion)(area,country)(slice)(writing,written\_material,piece\_of\_writing)(music)]

circle[(rotating\_mechanism)(seating,seats,seating\_room,seating\_area)(flunitrazepan,Rohypnol)(junction)(locomotion,travel)(shape,form)(social\_group)(ellipse,oval)]

buttresses[]

space[(type)(area,expanse,surface\_area)(area,expanse,surface\_area)(time\_interval,interval)(character,grapheme,graphic\_symbol)(infinite)(location)(area,country)(amorphous\_shape)(location)(attribute)]

problem[(difficulty)(question,head)(difficulty)]

baobabs[]

amounts[]

variation[(change)(dancing,dance,terpsichore,saltation)(organism,being)(perturbation)(process,physical\_process)(angle)(thing)(type)(theme,melodic\_theme,musical\_theme,idea)(activity)(change,alteration,modification)]

maximum[(limit)(limit,bound,boundary)(extremum,peak)(large\_indefinite\_quantity,large\_indefinite\_amount)]

end[(lineman)(piece\_of\_cloth,piece\_of\_material)(section,subdivision)(contribution,part,share)(topographic\_point,place,spot)(boundary,bound,bounds)(lineman)(surface)(state)(part,section,division)(content,cognitive\_content,mental\_object)(ending,conclusion,finish)(point,point\_in\_time)(extremity)]

living[(resource)(being,beingness,existence)(people)(experience)]

digitata[]

baobab[(angiospermous\_tree,flowering\_tree)]

mucronatum[]

area[(extent)(structure,construction)(environment)(body\_part)(topic,subject,issue,matter)(region)]

giganteum[]

sempervirens[]

regnans[]

plicata[]

cupressoides[]

instances[]

root[(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(form,word\_form,signifier,descriptor)(relative,relation)(set)(number)(form,word\_form,signifier,descriptor)(point)(plant\_organ)]

hundreds[]

volume[(sound\_property)(measure,quantity,amount)(publication)(product,production)(magnitude)(measure,quantity,amount)]

Measurement[(activity)]

branch[(projection)(stream,watercourse)(consequence,effect,outcome,result,event,issue,upshot)(subfigure)(stalk,stem)(division)]

attempt[(crime,offense,criminal\_offense,criminal\_offence,offence,law-breaking)(activity)]

Measuring[(activity)]

standards[]

cu[(metallic\_element,metal)(conductor)]

Girl[(woman,adult\_female)(woman,adult\_female)(lover)(female\_offspring)(female,female\_person)(woman,adult\_female)]

This[]

list[(position,spatial\_relation)(database)]

account[(profit,gain)(statement,financial\_statement)(informing,making\_known)(statement,financial\_statement)(importance)(reason,ground)(statement)(relationship)(news)(record)]

factors[]

disease[(illness,unwellness,malady,sickness)]

centimetres[]

laxifolius[]

conifer[(gymnospermous\_tree)]

center[(position)(lineman)(position)(mercantile\_establishment,retail\_store,sales\_outlet,outlet)(sweet,confection)(hockey\_player,ice-hockey\_player)(class,stratum,social\_class,socio-economic\_class)(place,property)(lineman)(basketball\_player,basketeer,cager)(formation)(neural\_structure)(object)(content,cognitive\_content,mental\_object)(point)(building,edifice)(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)(area,country)]

heartwood[(wood)]

decays[]

estimates[]

basis[(part,portion,component\_part,component,constituent)(assumption,supposition,supposal)(foundation)]

rates[(tax,taxation,revenue\_enhancement)]

results[]

speculation[(contemplation,reflection,reflexion,rumination,musing,thoughtfulness)(investment,investment\_funds)(hypothesis,possibility,theory)(opinion,view)]

method[(acting,playing,playacting,performing)(know-how)]

correlation[(statistics)(parametric\_statistic)(reciprocality,reciprocity)]

character[(attribute)(written\_symbol,printed\_symbol)(recommendation,testimonial,good\_word)(repute,reputation)(adult,grownup)(portrayal,characterization,enactment,personation)(trait)(property,attribute,dimension)(imaginary\_being,imaginary\_creature)]

ages[]

japonica[(flowering\_quince)(camellia,camelia)]

franklinii[]

Yew[(conifer,coniferous\_tree)(wood)]

village[(settlement)(community)]

angiosperm[(spermatophyte,phanerogam,seed\_plant)]

religiosa[]

planting[(farming,agriculture,husbandry)(collection,aggregation,accumulation,assemblage)(placement,location,locating,position,positioning,emplacement)]

feet[]

loggers[]

sources[]

damage[(injury)(cost)(change\_of\_integrity)(casualty)(change,alteration,modification)]

insects[]

deer[(ruminant)]

lightning[(flash)(atmospheric\_electricity)]

vehicles[]

impacts[]

construction[(commercial\_enterprise,business\_enterprise,business)(interpretation)(mathematical\_process,mathematical\_operation,operation)(artifact,artefact)(thinking,thought,thought\_process,cerebration,intellection,mentation)(constituent,grammatical\_constituent)(creating\_from\_raw\_materials)]

activities[]

Construction[(commercial\_enterprise,business\_enterprise,business)(interpretation)(mathematical\_process,mathematical\_operation,operation)(artifact,artefact)(thinking,thought,thought\_process,cerebration,intellection,mentation)(constituent,grammatical\_constituent)(creating\_from\_raw\_materials)]

grade[(cattle,cows,kine,oxen,Bos\_taurus)(property)(elevation)(evaluation,valuation,rating)(ablaut)(angular\_unit)(gradient,slope)(rank)(gathering,assemblage)]

aeration[(change\_of\_state)(natural\_process,natural\_action,action,activity)]

chemicals[]

cement[(solid\_body\_substance)(filling,fill)(adhesive\_material,adhesive\_agent,adhesive)(building\_material)(concrete)]

petroleum[(oil)(fossil\_fuel)]

products[]

term[(statue)(point,point\_in\_time)(constituent,grammatical\_constituent)(quantity)(statement)(time\_period,period\_of\_time,period)(word)]

hazard[(obstacle)(phenomenon)(danger)]

arborists[]

industry[(determination,purpose)(commercial\_enterprise,business\_enterprise,business)(commercial\_enterprise)]

power[(businessman,man\_of\_affairs)(state,nation,country,land,commonwealth,res\_publica,body\_politic)(strength)(mathematical\_notation)(causal\_agent,cause,causal\_agency)(state)(cognition,knowledge,noesis)(physical\_phenomenon)(quality)]

line[(mechanical\_system)(differentiation,distinction)(personal\_letter)(persuasion,suasion)(music)(credit)(area\_unit,square\_measure)(carrier,common\_carrier)(merchandise,ware,product)(communication,communicating)(mark,print)(activity)(artifact,artefact)(genealogy,family\_tree)(conformity,conformation,compliance,abidance)(connection,connexion,connector,connecter,connective)(road,route)(pipe,pipage,piping)(depression,impression,imprint)(location)(series)(conductor)(reasoning,logical\_thinking,abstract\_thought)(military\_position,position)(electromagnetic\_radiation,electromagnetic\_wave,nonparticulate\_radiation)(text,textual\_matter)(shape,form)(formation)(mark,print)(formation)]

operators[]

Hazard[(obstacle)(phenomenon)(danger)]

windstorms[]

fall[(decrease,decrement)(descent)(gravitation)(victory,triumph)(hour,time\_of\_day)(loss)(change\_of\_location,travel)(weakening)(sin,sinning)(slope,incline,side)(slip,trip)(season,time\_of\_year)]

danger[(area,country)(causal\_agent,cause,causal\_agency)(venture)(condition,status)]

presents[]

process[(physical\_entity)(body\_part)(cognition,knowledge,noesis)(writ,judicial\_writ)(cognition,knowledge,noesis)(activity)]

field[(facility,installation)(visual\_percept,visual\_image)(set)(geographical\_area,geographic\_area,geographical\_region,geographic\_region)(set)(set)(region)(set)(land,dry\_land,earth,ground,solid\_ground,terra\_firma)(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)(environment)(commercial\_enterprise,business\_enterprise,business)(physical\_phenomenon)(knowledge\_domain,knowledge\_base,domain)(region)(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)]

examination[(investigation,investigating)(introspection,self-contemplation,self-examination)(questioning,inquiring)(communication,communicating)(investigation,investigating)]

Assessment[(act,deed,human\_action,human\_activity)(monetary\_value,price,cost)(charge)(classification,categorization,categorisation,sorting)]

result[(semantic\_role,participant\_role)(ending,conclusion,finish)(statement)(phenomenon)]

severity[(sternness,strictness)(plainness)(difficulty,difficultness)(intensity,intensiveness)]

extent[(magnitude)(degree,level,stage,point)]

duration[(temporal\_property)(time)(time\_period,period\_of\_time,period)]

Severity[(sternness,strictness)(plainness)(difficulty,difficultness)(intensity,intensiveness)]

degree[(magnitude)(temperature\_unit)(exponent,power,index)(angular\_unit)(award,accolade,honor,honour,laurels)(state)(property)]

intrusion[(wrongdoing,wrongful\_conduct,misconduct,actus\_reus)(rock,stone)(geological\_process,geologic\_process)(entrance,entering,entry,ingress,incoming)(entrance,entering)]

loss[(death,decease,expiry)(casualty)(sum,sum\_of\_money,amount,amount\_of\_money)(experience)(disadvantage)(failure)(decline,diminution)(transferred\_property,transferred\_possession)]

Extent[(magnitude)(degree,level,stage,point)]

percentage[(assets)(proportion)]

factor[(sequence)(independent\_variable,experimental\_variable)(number)(businessperson,bourgeois)(integer,whole\_number)(part,section,division)(cause)]

time[(term)(rhythmicity)(dimension)(reading,meter\_reading,indication)(experience)(attribute)(moment,minute,second,instant)(time\_period,period\_of\_time,period)(time\_period,period\_of\_time,period)(case,instance,example)]

Root[(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(form,word\_form,signifier,descriptor)(relative,relation)(set)(number)(form,word\_form,signifier,descriptor)(point)(plant\_organ)]

people[(group,grouping)(family,family\_line,folk,kinfolk,kinsfolk,sept,phratry)(group,grouping)(group,grouping)]

types[]

trauma[(psychological\_state,psychological\_condition,mental\_state,mental\_condition)(ill\_health,unhealthiness,health\_problem)]

death[(killing,kill,putting\_to\_death)(state)(end,ending)(end,ending)(state)(organic\_phenomenon)(change,alteration,modification)]

Arborists[]

disturbance[(trouble)(disorder,upset)(motion,movement,move,motility)(fight,fighting,combat,scrap)(disorder)(agitation)(activity)]

professionals[]

reason[(fact)(justification)(sanity,saneness)(faculty,mental\_faculty,module)(explanation,account)(rational\_motive)]

confusion[(mistake,error,fault)(combination,combining,compounding)(embarrassment)(cognitive\_state,state\_of\_mind)(disorder)]

dormancy[(rest,ease,repose,relaxation)(inaction,inactivity,inactiveness)]

winter[(season,time\_of\_year)]

symptoms[]

months[]

persons[]

arboriculture[(farming,agriculture,husbandry)]

cause[(proceeding,legal\_proceeding,proceedings)(physical\_entity)(venture)(justification)(origin,origination,inception)]

effect[(symptom)(validity,validness)(meaning,significance,signification,import)(impression,feeling,belief,notion,opinion)(appearance,visual\_aspect)(phenomenon)]

organizations[]

importance[(standing)(value)]

impact[(fight,fighting,combat,scrap)(influence)(consequence,effect,outcome,result,event,issue,upshot)(contact,impinging,striking)]

health[(condition,status)(wellbeing,well-being,welfare,upbeat,eudaemonia,eudaimonia)]

losses[(financial\_loss)]

remediation[(correction,rectification)]

replacement[(peer,equal,match,compeer)(filling)(equivalent)(variation,fluctuation)(stand-in,substitute,relief,reliever,backup,backup\_man,fill-in)(substitution,exchange,commutation)]

costs[(reimbursement)]

violation[(sexual\_assault,sexual\_abuse,sex\_crime,sex\_offense)(evil,immorality,wickedness,iniquity)(wrongdoing,wrongful\_conduct,misconduct,actus\_reus)(wrongdoing,wrongful\_conduct,misconduct,actus\_reus)(crime,offense,criminal\_offense,criminal\_offence,offence,law-breaking)]

government[(social\_science)(system,system\_of\_rules)(social\_control)(polity)]

ordinances[]

community[(group,grouping)(district,territory,territorial\_dominion,dominion)(agreement,accord)(world\_organization,world\_organisation,international\_organization,international\_organisation,global\_organization)(ownership)(gathering,assemblage)]

subdivision[(section,segment)(writing,written\_material,piece\_of\_writing)(music)(division)(division,partition,partitioning,segmentation,sectionalization,sectionalisation)(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)]

restrictions[]

protocols[]

management[(administration,governance,governing\_body,establishment,brass,organization,organisation)(social\_control)]

steps[(path,track,course)(stairway,staircase)]

inventory[(listing,itemization,itemisation)(resource,resourcefulness,imagination)(register)(merchandise,ware,product)(list,listing)]

Application[(action)(effort,elbow\_grease,exertion,travail,sweat)(remedy,curative,cure,therapeutic)(program,programme,computer\_program,computer\_programme)(manual\_labor,manual\_labour)(request,petition,postulation)(use,usage,utilization,utilisation,employment,exercise)]

potential[(electrical\_phenomenon)(possibility,possibleness)]

damages[(compensation)]

protection[(extortion)(imposition,infliction)(endorsement,indorsement)(security)(assets)(covering)(activity)]

plan[(drawing)(arrangement,organization,organisation,system)(idea,thought)]

post[(delivery,bringing)(communication,communicating)(visual\_signal)(collection,aggregation,accumulation,assemblage)(upright,vertical)(occupation,business,job,line\_of\_work,line)(military\_installation)(position,place)]

Implementation[(act,deed,human\_action,human\_activity)(enforcement)]

zones[]

off[]

directions[]

base[(electrode)(bottom,underside,undersurface)(ingredient)(store,stock,fund)(form,word\_form,signifier,descriptor)(location)(number)(part,portion,component\_part,component,constituent)(flank)(compound,chemical\_compound)(ester)(support)(assumption,supposition,supposal)(control)(bottom)(part,piece)(baseball\_equipment)(support)(military\_installation)]

crowns[]

inches[]

mm[(metric\_linear\_unit)]

inch[(area\_unit,square\_measure)(linear\_unit,linear\_measure)]

information[(information\_measure)(collection,aggregation,accumulation,assemblage)(accusation,accusal)(cognition,knowledge,noesis)(message,content,subject\_matter,substance)]

topics[]

cost[(value)(value)(outgo,spending,expenditure,outlay)]

article[(determiner,determinative)(section,subdivision)(artifact,artefact)(nonfiction,nonfictional\_prose)(piece)]

mythology[(social\_anthropology,cultural\_anthropology)(collection,aggregation,accumulation,assemblage)]

symbol[(representational\_process)(signal,signaling,sign)]

icons[]

instance[(information)(happening,occurrence,occurrent,natural\_event)]

life[(prison\_term,sentence,time)(motivation,motive,need)(history,account,chronicle,story)(organic\_phenomenon)(living\_thing,animate\_thing)(animation,spiritedness,invigoration,brio,vivification)(person,individual,someone,somebody,mortal,soul)(time\_period,period\_of\_time,period)(time\_period,period\_of\_time,period)(time\_period,period\_of\_time,period)(being,beingness,existence)(being,beingness,existence)(experience)(being,beingness,existence)]

nature[(type)(trait)(universe,existence,creation,world,cosmos,macrocosm)(causal\_agent,cause,causal\_agency)(quality)]

environment[(geographical\_area,geographic\_area,geographical\_region,geographic\_region)(situation,state\_of\_affairs)]

misconception[(idea,thought)]

mass[(prayer)(religious\_music,church\_music)(magnitude)(group,grouping)(body)(religious\_ceremony,religious\_ritual)(collection,aggregation,accumulation,assemblage)(large\_indefinite\_quantity,large\_indefinite\_amount)(fundamental\_quantity,fundamental\_measure)(physical\_property)]

fact[(concept,conception,construct)(reality,realness,realism)(information,info)(information)]

Studies[]

land[(occupation,business,job,line\_of\_work,line)(political\_unit,political\_entity)(people)(real\_property,real\_estate,realty,immovable)(sphere,domain,area,orbit,field,arena)(administrative\_district,administrative\_division,territorial\_division)(object,physical\_object)(region)(object,physical\_object)(real\_property,real\_estate,realty,immovable)]

marke[]

fish[(person,individual,someone,somebody,mortal,soul)(food,solid\_food)(aquatic\_vertebrate)]

vertebrate[(chordate)]

animal[(organism,being)]

limbs[]

digits[]

hagfish[(jawless\_vertebrate,jawless\_fish,agnathan)]

lampreys[]

tetrapods[]

amphibians[]

reptiles[]

birds[]

mammals[]

ancestry[(inheritance,hereditary\_pattern)(genealogy,family\_tree)]

pisces[(division)(person,individual,someone,somebody,mortal,soul)]

ichthyes[]

classification[(restriction,confinement)(basic\_cognitive\_process)(arrangement)(grouping)]

body[(structure,construction)(resonator,cavity\_resonator,resonating\_chamber)(mass)(message,content,subject\_matter,substance)(property)(system,scheme)(body\_part)(natural\_object)(natural\_object)(social\_group)(natural\_object)]

Fish[(person,individual,someone,somebody,mortal,soul)(food,solid\_food)(aquatic\_vertebrate)]

bodies[]

environments[]

mountain[(large\_indefinite\_quantity,large\_indefinite\_amount)(natural\_elevation,elevation)]

streams[]

depths[]

oceans[]

gulpers[]

anglerfish[(spiny-finned\_fish,acanthopterygian)]

exhibit[(show)(evidence)]

class[(elegance)(taxonomic\_group,taxonomic\_category,taxon)(gathering,assemblage)(league,conference)(education,instruction,teaching,pedagogy,didactics,educational\_activity)(people)(gathering,assemblage)(collection,aggregation,accumulation,assemblage)]

food[(content,cognitive\_content,mental\_object)(solid)(substance)]

resource[(inventiveness,ingeniousness,ingenuity,cleverness)(asset,plus)(assets)]

subsistence[(being,beingness,existence)(survival,endurance)(support,keep,livelihood,living,bread\_and\_butter,sustenance)]

fishers[]

fisheries[]

ponds[]

cages[]

ocean[(large\_indefinite\_quantity,large\_indefinite\_amount)(body\_of\_water,water)]

aquaculture[(cultivation)]

pets[]

fishkeepers[]

aquaria[]

deities[]

symbols[]

subjects[]

art[(visual\_communication)(superior\_skill)(creation,creative\_activity)(creation)]

books[]

movies[]

Contents[(list,listing)(table,tabular\_array)]

Diversity[(condition,status)(heterogeneity,heterogeneousness)]

Taxonomy[(categorization,categorisation,classification,compartmentalization,compartmentalisation,assortment)(systematics)(hierarchy)]

Anatomy[(analysis)(body,organic\_structure,physical\_structure)(morphology)]

Respiration[(bodily\_process,body\_process,bodily\_function,activity)(bodily\_process,body\_process,bodily\_function,activity)(metabolism,metabolic\_process)]

Circulation[(spread,spreading)(change\_of\_location,travel)(count)(count)(organic\_phenomenon)(dissemination,airing,public\_exposure,spreading)]

Digestion[(learning,acquisition)(organic\_process,biological\_process)(chemical\_process,chemical\_change,chemical\_action)]

Excretion[(waste,waste\_material,waste\_matter,waste\_product)(discharge,emission,expelling)]

Sensory[]

system[(orderliness,methodicalness)(live\_body)(plan\_of\_action)(body\_part)(structure)(method)(matter)(group,grouping)(instrumentality,instrumentation)]

Sense[(appreciation,grasp,hold)(sagacity,sagaciousness,judgment,judgement,discernment)(faculty,mental\_faculty,module)(meaning,significance,signification,import)(awareness,consciousness,cognizance,cognisance,knowingness)]

Capacity[(tolerance)(ability,power)(electrical\_phenomenon)(indefinite\_quantity)(function,office,part,role)(production)(volume)(susceptibility,susceptibleness)(capability,capableness)]

pain[(negative\_stimulus)(unpleasant\_person,disagreeable\_person)(somesthesia,somaesthesia,somatesthesia,somatic\_sensation)(feeling)(symptom)]

Evolution[(organic\_process,biological\_process)(process,physical\_process)]

Importance[(standing)(value)]

humans[(homo,man,human\_being,human)(group,grouping)]

Recreation[(rejuvenation)(activity)]

Overfishing[]

destruction[(state)(ending,conclusion,finish)(termination,ending,conclusion)]

Aquarium[(vivarium)(tank,storage\_tank)]

fishes[]

Shoal[(animal\_group)(body\_of\_water,water)(sandbank)]

school[(animal\_group)(educational\_institution)(time\_period,period\_of\_time,period)(body)(education)(building,edifice)(educational\_institution)]

Notes[]

shapes[]

sizes[]

sea[(turbulent\_flow)(large\_indefinite\_quantity,large\_indefinite\_amount)(body\_of\_water,water)]

relative[(organism,being)(person,individual,someone,somebody,mortal,soul)]

seahorse[(pipefish,needlefish)(pinniped\_mammal,pinniped,pinnatiped)]

appendages[]

seaweed[(alga,algae)]

tetrapod[(vertebrate,craniate)]

craniate[(chordate)]

skull[(bone,os)]

backbone[(connection,connexion,connector,connecter,connective)(part,portion)(skeletal\_structure)(fortitude)(support)]

gills[]

groupings[]

clade[(biological\_group)]

collection[(grouping)(request,petition,postulation)(publication)(group,grouping)]

taxa[]

hagfishes[]

sharks[]

rays[]

coelacanths[]

lungfish[(bony\_fish)]

relatives[]

ancestor[(relative,relation)]

biology[(collection,aggregation,accumulation,assemblage)(life)(life\_science,bioscience)]

animals[]

sense[(appreciation,grasp,hold)(sagacity,sagaciousness,judgment,judgement,discernment)(faculty,mental\_faculty,module)(meaning,significance,signification,import)(awareness,consciousness,cognizance,cognisance,knowingness)]

shellfish[(invertebrate)(seafood)]

cuttlefish[(decapod)]

starfish[(echinoderm)]

crayfish[(lobster)(decapod\_crustacean,decapod)(shellfish)(shellfish)]

jellyfish[(coelenterate,cnidarian)(siphonophore)]

biologists[]

distinction[(difference)(quality)(high\_status)(discrimination,secernment)]

century[(large\_integer)(time\_period,period\_of\_time,period)]

historians[]

seals[]

whales[]

crocodiles[]

hippopotamuses[]

host[(computer,computing\_machine,computing\_device,data\_processor,electronic\_computer,information\_processing\_system)(bread,breadstuff,staff\_of\_life)(patron)(recipient,receiver)(organization,organisation)(army,regular\_army,ground\_forces)(entertainer)(organism,being)(multitude,throng,concourse)(adult,grownup)]

invertebrates[]

Cetaceans[]

contexts[]

finfish[]

fin[(extremity,appendage,member)(stabilizer,stabiliser)(shoe)(slat,spline)(decoration,ornament,ornamentation)(digit,figure)]

swimming[(water\_sport,aquatics)]

breathing[(bodily\_process,body\_process,bodily\_function,activity)]

organ[(free-reed\_instrument)(keyboard\_instrument)(wind\_instrument,wind)(periodical)(electronic\_instrument,electronic\_musical\_instrument)(agency,federal\_agency,government\_agency,bureau,office,authority)(body\_part)]

sets[]

fins[]

jaws[]

skin[(bag)(rind)(animation,life,living,aliveness)(body\_covering)(surface)(connective\_tissue)(body\_covering)]

scales[]

eggs[(foodstuff,food\_product)]

criterion[(ideal)(system\_of\_measurement,metric)]

exceptions[]

Tuna[(eel)(scombroid,scombroid\_fish)(food\_fish)(saltwater\_fish)(prickly\_pear,prickly\_pear\_cactus)]

swordfish[(scombroid,scombroid\_fish)(saltwater\_fish)]

they[]

performance[(process,physical\_process)(accomplishment,achievement)(action)(presentation,presentment,demonstration)(show)]

tuna[(eel)(scombroid,scombroid\_fish)(food\_fish)(saltwater\_fish)(prickly\_pear,prickly\_pear\_cactus)]

salmon[(chromatic\_color,chromatic\_colour,spectral\_color,spectral\_colour)(fish)(salmonid)(food\_fish)]

jacks[(child's\_game)]

lengths[]

eels[]

freshwater[(water,H2O)]

extract[(passage)(solution)]

air[(travel,traveling,travelling)(medium)(music)(element)(region,part)(wind,air\_current,current\_of\_air)(quality)(region,part)(gas)]

structures[]

Lungfish[(bony\_fish)]

lungs[]

gouramis[]

labyrinth[(sense\_organ,sensory\_receptor,receptor)(system)]

function[(software,software\_program,computer\_software,software\_system,software\_package,package)(social\_event)(social\_gathering,social\_affair)(relation)(duty)(utility,usefulness)(mathematical\_relation)]

catfish[(soft-finned\_fish,malacopterygian)(blennioid\_fish,blennioid)(freshwater\_fish)]

intestine[(internal\_organ,viscus)]

Body[(structure,construction)(resonator,cavity\_resonator,resonating\_chamber)(mass)(message,content,subject\_matter,substance)(property)(system,scheme)(body\_part)(natural\_object)(natural\_object)(social\_group)(natural\_object)]

seahorses[]

pufferfish[(plectognath,plectognath\_fish)(saltwater\_fish)]

surface[(device)(public\_knowledge,general\_knowledge)(aspect,facet)(layer)(boundary,bound,bounds)(artifact,artefact)]

moray[(eel)]

gars[]

bichirs[]

cycloid[(roulette,line\_roulette)]

Mudskippers[]

mudflats[]

cisternarum[]

lives[]

habitats[]

range[(kitchen\_appliance)(capability,capableness,potentiality)(set)(assortment,mixture,mixed\_bag,miscellany,miscellanea,variety,salmagundi,smorgasbord,potpourri,motley)(facility,installation)(geological\_formation,formation)(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)(limit)(extent)]

metre[(rhythmicity)(poetic\_rhythm,rhythmic\_pattern,prosody)(metric\_linear\_unit)]

whale[(cetacean,cetacean\_mammal,blower)(large\_person)]

shark[(expert)(wrongdoer,offender)(elasmobranch,selachian)]

infantfish[]

works[(mechanism)(activity)(entirety,entireness,integrality,totality)(building\_complex,complex)]

classifications[]

conodonts[]

vertebrates[]

sturgeons[]

paddlefishes[]

reedfishes[]

bowfins[]

taxon[(biological\_group)]

palaeontologists[]

chordates[]

treatment[(communication,communicating)(artistic\_style,idiom)(management,direction)(care,attention,aid,tending)]

taxonomy[(categorization,categorisation,classification,compartmentalization,compartmentalisation,assortment)(systematics)(hierarchy)]

position[(assumption)(function,office,part,role)(item,point)(opinion,view)(attitude,mental\_attitude)(condition,status)(activity)(role)(point)(relation)(occupation,business,job,line\_of\_work,line)(state)(bodily\_property)(orientation)(point)(point)]

phylum[(taxonomic\_group,taxonomic\_category,taxon)(social\_group)]

chordata[(phylum)]

research[(problem\_solving)(investigation,investigating)]

idea[(tune,melody,air,strain,melodic\_line,line,melodic\_phrase)(calculation,computation,figuring,reckoning)(opinion,sentiment,persuasion,view,thought)(purpose,intent,intention,aim,design)(content,cognitive\_content,mental\_object)]

half[(part,section,division)(common\_fraction,simple\_fraction)]

chimeras[]

total[(quantity)(whole,unit)]

anatomy[(analysis)(body,organic\_structure,physical\_structure)(morphology)]

hectoris[]

operculum[(plate)]

gill[(respiratory\_organ)(plant\_organ)(United\_States\_liquid\_unit)(British\_capacity\_unit,Imperial\_capacity\_unit)]

cover[(concealment,concealing,hiding)(recording)(fixed\_charge,fixed\_cost,fixed\_costs)(fire,firing)(covering)(natural\_object)(protective\_covering,protective\_cover,protection)(concealment,concealing,hiding)(bedclothes,bed\_clothing,bedding)(covering)]

peduncle[(nerve\_pathway,tract,nerve\_tract,pathway)(scape,flower\_stalk)(growth)]

photophores[]

exchange[(capture)(capture)(change)(commerce,commercialism,mercantilism)(group\_action)(workplace,work)(workplace,work)(transaction,dealing,dealings)(group\_action)(conversation)(chemical\_phenomenon)]

gases[]

side[(spin)(geological\_formation,formation)(opinion,view)(cut,cut\_of\_meat)(lineage,line,line\_of\_descent,descent,bloodline,blood\_line,blood,pedigree,ancestry,origin,parentage,stemma,stock)(line)(aspect,facet)(surface)(surface)(area,region)(unit,social\_unit)(region,part)]

pharynx[(tubular\_cavity)]

Gills[]

filaments[]

filament[(wire,conducting\_wire)(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(stalk,stem)(fiber,fibre)]

network[(system)(system)(fabric,cloth,material,textile)(communication\_system,communication\_equipment)(system,scheme)]

mouths[]

blood[(people)(genealogy,family\_tree)(libertine,debauchee,rounder)(disposition,temperament)(liquid\_body\_substance,bodily\_fluid,body\_fluid,humor,humour)]

flows[]

direction[(concentration,engrossment,absorption,immersion)(command,bid,bidding,dictation)(control)(message,content,subject\_matter,substance)(social\_control)(message,content,subject\_matter,substance)(inclination,disposition,tendency)(position,spatial\_relation)(path,route,itinerary)]

openings[]

sides[]

opening[(beginning,start,commencement)(succession,sequence)(entrance,entranceway,entryway,entry,entree)(artifact,artefact)(passage,passageway)(option,alternative,choice)(introduction)(opportunity,chance)(motion,movement,move,motility)(start)(change\_of\_integrity)(ceremony,ceremonial,ceremonial\_occasion,observance)(space)]

feature[(merchandise,ware,product)(property,attribute,dimension)(article)(movie,film,picture,moving\_picture,moving-picture\_show,motion\_picture,motion-picture\_show,picture\_show,pic,flick)(body\_part)(property,attribute,dimension)]

mechanisms[]

cavity[(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(decay)(space)(hole,hollow)]

eel[(soft-finned\_fish,malacopterygian)(fish)]

Catfish[(soft-finned\_fish,malacopterygian)(blennioid\_fish,blennioid)(freshwater\_fish)]

exception[(objection)(example,illustration,instance,representative)(omission)]

mouth[(opening)(rejoinder,retort,return,riposte,replication,comeback,counter)(spokesperson,interpreter,representative,voice)(eater,feeder)(geological\_formation,formation)(opening,gap)(orifice,opening,porta)(rima)]

Gar[(teleost\_fish,teleost,teleostan)(ganoid,ganoid\_fish)]

bowfin[(ganoid,ganoid\_fish)]

bladder[(bag)(sac)]

functions[]

Loaches[]

trahiras[]

gut[(cord)(channel)(internal\_organ,viscus)]

frogs[]

Labyrinth[(sense\_organ,sensory\_receptor,receptor)(system)]

bettas[]

snakeheads[]

pikeheads[]

family[(association)(organized\_crime,gangland,gangdom)(taxonomic\_group,taxonomic\_category,taxon)(relative,relation)(lineage,line,line\_of\_descent,descent,bloodline,blood\_line,blood,pedigree,ancestry,origin,parentage,stemma,stock)(collection,aggregation,accumulation,assemblage)(kin,kin\_group,kinship\_group,kindred,clan,tribe)(unit,social\_unit)]

waters[(liquid\_body\_substance,bodily\_fluid,body\_fluid,humor,humour)]

concentration[(diligence,industriousness,industry)(assembly,assemblage,gathering)(attention)(increase)(strengthening)(spacing,spatial\_arrangement)(property)]

perch[(percoid\_fish,percoid,percoidean)(percoid\_fish,percoid,percoidean)(freshwater\_fish)(seat,place)(area\_unit,square\_measure)(linear\_unit,linear\_measure)(support)]

cichlids[]

breathers[]

mud[(slander)(soil,dirt)]

burrows[]

weeks[]

state[(executive\_department)(administrative\_district,administrative\_division,territorial\_division)(emotional\_state,spirit)(chemical\_phenomenon)(political\_unit,political\_entity)(government,authorities,regime)(attribute)(administrative\_district,administrative\_division,territorial\_division)]

aestivation[(arrangement)(dormancy,quiescence,quiescency)]

summertime[(season,time\_of\_year)]

hibernation[(retirement)(dormancy,quiescence,quiescency)(torpor,torpidity)]

returns[]

head[(perversion,sexual\_perversion)(membrane)(projection)(toilet,lavatory,lav,can,john,privy,bathroom)(striker)(obverse)(coil)(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(line)(subject,topic,theme)(mark)(progress,progression,advance)(juncture,occasion)(front,front\_end,forepart)(foam,froth)(object,physical\_object)(natural\_elevation,elevation)(drug\_user,substance\_abuser,user)(individual)(educator,pedagogue,pedagog)(plant\_organ)(linear\_unit,linear\_measure)(point,tip,peak)(word)(beginning,origin,root,rootage,source)(top)(pressure,pressure\_level,force\_per\_unit\_area)(formation)(leader)(cognition,knowledge,noesis)(domestic\_animal,domesticated\_animal)(external\_body\_part)]

downwards[]

plecostomus[]

fitness[(competence,competency)(soundness)(condition,shape)(suitability,suitableness)]

loop[(flight\_maneuver,airplane\_maneuver)(circuit,electrical\_circuit,electric\_circuit)(intrauterine\_device,IUD)(topology,network\_topology)(program,programme,computer\_program,computer\_programme)(fingerprint)(clique,coterie,ingroup,inner\_circle,pack,camp)(process,physical\_process)(simple\_closed\_curve,Jordan\_curve)(fastener,fastening,holdfast,fixing)]

heart[(playing\_card)(feeling)(variety\_meat,organs)(plane\_figure,two-dimensional\_figure)(disposition,temperament)(content,cognitive\_content,mental\_object)(area,country)(courage,courageousness,bravery,braveness)(internal\_organ,viscus)(intuition,hunch,suspicion)]

pumps[]

chambers[]

entrance[(arrival)(change\_of\_location,travel)(access,approach)]

part[(attempt,effort,endeavor,endeavour,try)(tune,melody,air,strain,melodic\_line,line,melodic\_phrase)(line)(concept,conception,construct)(assets)(portrayal,characterization,enactment,personation)(duty)(location)(concern)(thing)(object,physical\_object)(relation)]

sinus[(duct,epithelial\_duct,canal,channel)(cavity,bodily\_cavity,cavum)(passage,passageway)]

venosus[]

sac[(cavity,bodily\_cavity,cavum)(Algonquian,Algonquin)(covering,natural\_covering,cover)(cavity,enclosed\_space)]

veins[]

atrium[(court,courtyard)(chamber)]

chamber[(room)(assembly)(room)(cavity,bodily\_cavity,cavum)(enclosure)]

antechamber[(room)]

ventricle[(chamber)(cavity,bodily\_cavity,cavum)]

arteriosus[]

tube[(railway,railroad,railroad\_line,railway\_line,railway\_system)(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(cylinder)(electronic\_device)(conduit)]

bulbus[]

aorta[(artery,arteria,arterial\_blood\_vessel)]

oxygenation[(natural\_process,natural\_action,action,activity)]

Jaws[]

organisms[]

esophagus[(passage,passageway)(muscular\_structure,musculature,muscle\_system)]

stomach[(appetite,appetency,appetence)(inclination)(body\_part)(internal\_organ,viscus)]

pouches[]

caeca[]

enzymes[]

Organs[(meat)]

liver[(inhabitant,habitant,dweller,denizen,indweller)(person,individual,someone,somebody,mortal,soul)(variety\_meat,organs)(internal\_organ,viscus)]

pancreas[(exocrine\_gland,exocrine,duct\_gland)]

tract[(white\_matter,substantia\_alba)(treatise)(system)(geographical\_area,geographic\_area,geographical\_region,geographic\_region)]

digestion[(learning,acquisition)(organic\_process,biological\_process)(chemical\_process,chemical\_change,chemical\_action)]

absorption[(cognitive\_state,state\_of\_mind)(attention)(organic\_process,biological\_process)(social\_process)(natural\_process,natural\_action,action,activity)(sorption)]

release[(termination,ending,conclusion)(relinquishment,relinquishing)(flow,stream)(activity)(device)(legal\_document,legal\_instrument,official\_document,instrument)(death,decease,expiry)(termination,ending,conclusion)(announcement,promulgation)(natural\_process,natural\_action,action,activity)(accomplishment,achievement)(merchandise,ware,product)]

wastes[]

ammonia[(binary\_compound)(liquid)]

Blood[(people)(genealogy,family\_tree)(libertine,debauchee,rounder)(disposition,temperament)(liquid\_body\_substance,bodily\_fluid,body\_fluid,humor,humour)]

kidneys[]

osmosis[(diffusion)]

return[(appearance)(run,running,running\_play,running\_game)(tennis\_stroke,tennis\_shot)(group\_action)(key)(reply,response)(repeat,repetition)(income)(motion,movement,move)(acquisition)(turning,turn)(arrival)(legal\_document,legal\_instrument,official\_document,instrument)]

reverse[(change\_of\_direction,reorientation)(run,running,running\_play,running\_game)(side)(happening,occurrence,occurrent,natural\_event)(gear,gear\_mechanism)(opposition,oppositeness)]

urine[(body\_waste,excretion,excreta,excrement,excretory\_product)]

excretion[(waste,waste\_material,waste\_matter,waste\_product)(discharge,emission,expelling)]

mesoderm[(germ\_layer)]

teeth[(set)]

brain[(variety\_meat,organs)(intellectual,intellect)(cognition,knowledge,noesis)(intelligence)(neural\_structure)]

rainbow[(promise,hope)(bow,arc)]

trout[(salmonid)(food\_fish)(fish)]

brains[]

bird[(badminton\_equipment)(cry,outcry,call,yell,shout,vociferation)(girl,miss,missy,young\_lady,young\_woman,fille)(meat)(vertebrate,craniate)]

mormyrids[]

weight[(coefficient)(unit\_of\_measurement,unit)(system\_of\_measurement,metric)(oppression,oppressiveness)(artifact,artefact)(importance)(sports\_equipment)(physical\_property)]

front[(social\_group)(position,place)(proximity)(atmospheric\_phenomenon)(sphere,domain,area,orbit,field,arena)(deceiver,cheat,cheater,trickster,beguiler,slicker)(side)(appearance)(line)(side,face)]

lobes[]

signals[]

nostrils[]

smell[(sensing,perception)(modality,sense\_modality,sensory\_system)(exteroception)(atmosphere,ambiance,ambience)(property)(sensation,esthesis,aesthesis,sense\_experience,sense\_impression,sense\_datum)]

telencephalon[(neural\_structure)]

equivalent[(atomic\_mass,atomic\_weight,relative\_atomic\_mass)(cognition,knowledge,noesis)]

cerebrum[(neural\_structure)]

forebrain[(neural\_structure)]

midbrain[(neural\_structure)]

diencephalon[(neural\_structure)]

diagram[(drawing)]

hormones[]

rhythms[]

mesencephalon[(neural\_structure)]

sight[(large\_indefinite\_quantity,large\_indefinite\_amount)(look,looking,looking\_at)(compass,range,reach,grasp)(position,view,perspective)(modality,sense\_modality,sensory\_system)(exteroception)(display)(visual\_percept,visual\_image)]

hindbrain[(neural\_structure)]

metencephalon[(hindbrain,rhombencephalon)]

cerebellum[(neural\_structure)]

Hagfish[(jawless\_vertebrate,jawless\_fish,agnathan)]

cerebellae[]

myelencephalon[(neural\_structure)]

muscles[]

respiration[(bodily\_process,body\_process,bodily\_function,activity)(bodily\_process,body\_process,bodily\_function,activity)(metabolism,metabolic\_process)]

daylight[(light,visible\_light,visible\_radiation)(time\_period,period\_of\_time,period)]

vision[(experience)(creativity,creativeness,creative\_thinking)(sensation,esthesis,aesthesis,sense\_experience,sense\_impression,sense\_datum)(modality,sense\_modality,sensory\_system)(exteroception)(imagination,imaging,imagery,mental\_imagery)]

human[(hominid)]

chemoreceptors[]

senses[]

taste[(sensing,perception)(modality,sense\_modality,sensory\_system)(exteroception)(small\_indefinite\_quantity,small\_indefinite\_amount)(experience)(discrimination,secernment)(liking)(sensation,esthesis,aesthesis,sense\_experience,sense\_impression,sense\_datum)]

ears[]

receptors[]

currents[]

vibrations[]

motion[(optical\_illusion)(change)(proposal)(state)(change)(happening,occurrence,occurrent,natural\_event)(visual\_communication)]

current[(course,line)(flow,flowing)(electrical\_phenomenon)]

landmarks[]

maps[]

behavior[(activity)(trait)(action,activity,activeness)(activity)]

mazes[]

memory[(cognitive\_psychology)(memory\_device,storage\_device)(hardware,computer\_hardware)(faculty,mental\_faculty,module)(basic\_cognitive\_process)(representation,mental\_representation,internal\_representation)]

Pain[(negative\_stimulus)(unpleasant\_person,disagreeable\_person)(somesthesia,somaesthesia,somatesthesia,somatic\_sensation)(feeling)(symptom)]

Experiments[]

evidence[(information,info)(indication,indicant)(information)]

fear[(emotion)(anxiety)(emotion)]

responses[]

experiments[]

toadfish[(spiny-finned\_fish,acanthopterygian)]

scientists[]

behaviors[]

venom[(malevolence,malignity)(animal\_toxin,zootoxin)]

acid[(lysergic\_acid\_diethylamide,LSD)(compound,chemical\_compound)]

lips[]

floors[]

tanks[]

attempts[]

Neurons[]

pattern[(graph,graphical\_record)(path,route,itinerary)(plan,program,programme)(exemplar,example,model,good\_example)(practice)(decoration,ornament,ornamentation)(activity)(structure)]

study[(musical\_composition,opus,composition,piece,piece\_of\_music)(memorizer,memoriser)(contemplation,reflection,reflexion,rumination,musing,thoughtfulness)(drawing)(knowledge\_domain,knowledge\_base,domain)(room)(concentration,engrossment,absorption,immersion)(document,written\_document,papers)(learning,acquisition)(examination,scrutiny)]

proof[(determination,finding)(photographic\_print,print)(impression,printing)(measure,quantity,amount)(argument,statement)(evidence,grounds)]

awareness[(consciousness)(knowing)]

kind[(category)]

reactions[]

causes[]

behaviorist[(psychologist)]

consciousness[(knowing)(cognitive\_state,state\_of\_mind)]

neocortex[(cerebral\_cortex,cerebral\_mantle,pallium,cortex)]

systems[]

welfare[(prosperity,successfulness)(good,goodness)(aid,economic\_aid,financial\_aid)]

advocates[]

concerns[]

suffering[(pain,painfulness)(pain,painfulness)(misery,wretchedness,miserableness)(pain,hurting)]

angling[(fishing,sportfishing)]

fishing[(commercial\_enterprise,business\_enterprise,business)(outdoor\_sport,field\_sport)]

individuals[]

erythrophthalmus[]

locomotion[(motion,movement,move)(mobility)]

move[(turn,play)(change)(change)(change)(decision,determination,conclusion)]

contractions[]

curves[]

curve[(section,segment)(shape,form,configuration,contour,conformation)(pitch,delivery)(line)(line)]

force[(putout)(validity,validness)(social\_group)(causal\_agent,cause,causal\_agency)(aggression,hostility)(unit,social\_unit)(organization,organisation)(intensity,intensiveness)(physical\_phenomenon)(influence)]

conjunction[(connection,connexion,connector,connecter,connective)(meeting,encounter)(grammatical\_relation)(function\_word,closed-class\_word)(union,unification)(simultaneity,simultaneousness)]

airplane[(heavier-than-air\_craft)]

flaps[(airfoil,aerofoil,control\_surface,surface)]

tail[(rear,back)(rear,back)(reverse,verso)(follower)(spy)(body\_part)(projection)(end,ending)(process,outgrowth,appendage)]

speed[(stimulant,stimulant\_drug,excitant)(drug\_of\_abuse,street\_drug)(ratio)(motion,movement,move)(pace,rate)(rate)]

amount[(quantity)(abstraction,abstract\_entity)(magnitude)(assets)]

friction[(effort,elbow\_grease,exertion,travail,sweat)(resistance)(conflict)]

tissue[(paper)(body\_part)]

buoyancy[(liveliness,life,spirit,sprightliness)(tendency,inclination)(lightness,weightlessness)(cheerfulness,blitheness)]

manipulation[(touch,touching)(influence)]

LT[]

ST[]

periods[]

mudskipper[(goby,gudgeon)]

teleosts[]

suborder[(taxonomic\_group,taxonomic\_category,taxon)]

billfishes[]

tunas[]

mackerel[(scombroid,scombroid\_fish)(saltwater\_fish)]

melampus[]

shortfin[]

mako[(mackerel\_shark)]

porbeagle[(mackerel\_shark)]

trait[(attribute)]

thresher[(shark)(farm\_machine)]

endothermy[]

billfish[(teleost\_fish,teleost,teleostan)(teleost\_fish,teleost,teleostan)(scombroid,scombroid\_fish)(ganoid,ganoid\_fish)]

eyes[(opinion,sentiment,persuasion,view,thought)]

bluefin[(tuna,tunny)(tuna,tuna\_fish,tunny)]

excess[(indulgence,indulging,pampering,humoring)(fullness)(immoderation,immoderateness)(overabundance,overmuch,overmuchness,superabundance)]

C[(cocaine,cocain)(letter,letter\_of\_the\_alphabet,alphabetic\_character)(tonic,keynote)(programming\_language,programing\_language)(charge\_unit,quantity\_unit)(large\_integer)(chemical\_element,element)(pyrimidine)(nucleotide,base)(water-soluble\_vitamin)(antioxidant)(speed,velocity)(constant)(degree)]

advantages[]

muscle[(strength)(authority,authorization,authorisation,potency,dominance,say-so)(bully,tough,hooligan,ruffian,roughneck,rowdy,yob,yobo,yobbo)(animal\_tissue)(contractile\_organ,contractor)]

strength[(permanence,permanency)(prosperity,successfulness)(power,powerfulness)(magnitude)(power,powerfulness)(asset,plus)(intensity,intensiveness)(capability,capableness)(property)]

processing[(process,physical\_process)]

Liver[(inhabitant,habitant,dweller,denizen,indweller)(person,individual,someone,somebody,mortal,soul)(variety\_meat,organs)(internal\_organ,viscus)]

testes[]

ovaries[]

gonads[]

terms[(cost)(status,position)]

spermatogonia[]

distribution[(commerce,commercialism,mercantilism)(act,deed,human\_action,human\_activity)(spacing,spatial\_arrangement)(arrangement,organization,organisation,system)]

tubules[]

Atherinomorph[]

portion[(small\_indefinite\_quantity,small\_indefinite\_amount)(gift)(condition)(assets)(allotment,apportionment,apportioning,allocation,parceling,parcelling,assignation)(object,physical\_object)(relation)]

spermatogenesis[(gametogenesis)]

relation[(dealings,traffic)(legal\_principle,judicial\_principle,judicial\_doctrine)(narration,recital,yarn)(person,individual,someone,somebody,mortal,soul)(sexual\_activity,sexual\_practice,sex,sex\_activity)(abstraction,abstract\_entity)]

phase[(appearance,visual\_aspect)(point,point\_in\_time)(state\_of\_matter,state)(time\_period,period\_of\_time,period)]

germ[(microorganism,micro-organism)(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(inspiration)]

cysts[]

gymnovarian[]

cystovarian[]

oocytes[]

ostium[]

oviduct[(salpinx)(female\_internal\_reproductive\_organ)]

ova[]

coelom[(cavity,bodily\_cavity,cavum)]

exterior[(surface)(region,part)]

Gymnovaries[]

condition[(procedure,process)(statement)(illness,unwellness,malady,sickness)(good\_health,healthiness)(information)(state)(premise,premiss,assumption)(state)]

sturgeon[(ganoid,ganoid\_fish)]

Cystovaries[]

ovary[(female\_internal\_reproductive\_organ)(gonad,sex\_gland)(reproductive\_structure)]

lumen[(cavity,bodily\_cavity,cavum)(luminous\_flux\_unit)]

continuity[(lastingness,durability,enduringness,strength)(script,book,playscript)(coherence,coherency,cohesion,cohesiveness)]

gymnovaries[]

salmonids[]

Oogonia[]

development[(section,subdivision)(processing)(improvement,melioration)(district,territory,territorial\_dominion,dominion)(use,usage,utilization,utilisation,employment,exercise)(change,alteration,modification)(organic\_process,biological\_process)(process,physical\_process)(improvement)]

oogenesis[(gametogenesis)]

dynamics[(mechanics)]

understanding[(faculty,mental\_faculty,module)(inclination,disposition,tendency)(statement)(knowing)]

maturation[(bodily\_process,body\_process,bodily\_function,activity)(organic\_process,biological\_process)(organic\_process,biological\_process)]

fertilization[(enrichment)(creation,conception)]

processes[]

Changes[]

nucleus[(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(neural\_structure)(center,centre,midpoint)(set)(center,centre,midpoint)(organelle,cell\_organelle,cell\_organ)]

ooplasm[]

layers[]

oocyte[(gametocyte)]

follicles[]

apoptosis[(necrobiosis,cell\_death)]

atresia[(abnormality,abnormalcy)]

hermaphrodites[]

phases[]

cycle[(wheeled\_vehicle)(periodic\_event,recurrent\_event)(rate)(repeat,repetition)(series)(time\_interval,interval)]

hamlets[]

mother[(inspiration)(abbess,mother\_superior,prioress)(old\_woman)(yeast,barm)(parent)]

Examples[]

goldfish[(cyprinid,cyprinid\_fish)]

fertilisation[(enrichment)(creation,conception)]

place[(area,expanse,surface\_area)(item,point)(public\_square,square)(condition,status)(passage)(space)(social\_station,social\_status,social\_rank,rank)(point)(occupation,business,job,line\_of\_work,line)(residence,abode)(situation,position)(function,office,part,role)(vicinity,locality,neighborhood,neighbourhood,neck\_of\_the\_woods)(cognition,knowledge,noesis)(geographical\_area,geographic\_area,geographical\_region,geographic\_region)(point)]

gametes[]

male[(person,individual,someone,somebody,mortal,soul)(animal,animate\_being,beast,brute,creature,fauna)]

sort[(operation)(person,individual,someone,somebody,mortal,soul)(similarity)(category)]

sperm[(gamete)]

female[(person,individual,someone,somebody,mortal,soul)(animal,animate\_being,beast,brute,creature,fauna)]

horn[(alarm,warning\_device,alarm\_system)(brass,brass\_instrument)(alarm,warning\_device,alarm\_system)(device)(animal\_material)(process,outgrowth,appendage)(brass,brass\_instrument)(pommel,saddlebow)(alarm,alert,warning\_signal,alarum)(process,outgrowth,appendage)(noisemaker)]

skates[]

claspers[]

numbers[(lottery,drawing)]

column[(skeletal\_structure)(text,textual\_matter)(upright,vertical)(structure,construction)(article)(shape,form)(array)(tube,tubing)(file,single\_file,Indian\_file)]

millimetre[(metric\_linear\_unit)]

Egg[(male\_reproductive\_gland)(gonad,sex\_gland)(foodstuff,food\_product)(ovum,egg\_cell)]

lamprey[(jawless\_vertebrate,jawless\_fish,agnathan)]

catshark[]

mermaids[]

purse[(sum,sum\_of\_money,amount,amount\_of\_money)(bag)(sum,sum\_of\_money,amount,amount\_of\_money)(container)]

bullhead[(catfish,siluriform\_fish)(sculpin)]

chimaera[(holocephalan,holocephalian)(imagination,imaging,imagery,mental\_imagery)(mythical\_monster,mythical\_creature)]

zooplankton[(animal,animate\_being,beast,brute,creature,fauna)]

larvae[]

yolk[(food,nutrient)(ingredient,fixings)]

nourishment[(care,attention,aid,tending)(food,nutrient)]

appearance[(pretense,pretence,pretending,simulation,feigning)(arrival)(representation,mental\_representation,internal\_representation)(attendance,attending)(happening,occurrence,occurrent,natural\_event)(quality)]

metamorphosis[(transformation,translation)(revision,alteration)(organic\_process,biological\_process)]

juveniles[]

transition[(passage)(passage,musical\_passage)(change,alteration,modification)(transformation,transmutation,shift)(change\_of\_state)]

feeding[(provision,supply,supplying)(consumption,ingestion,intake,uptake)]

prey[(animal,animate\_being,beast,brute,creature,fauna)(victim)]

density[(spacing,spatial\_arrangement)(compactness)]

embryo[(animal,animate\_being,beast,brute,creature,fauna)(plant,flora,plant\_life)]

egg[(male\_reproductive\_gland)(gonad,sex\_gland)(foodstuff,food\_product)(ovum,egg\_cell)]

guppies[]

angel[(patron,sponsor,supporter)(good\_person)(spiritual\_being,supernatural\_being)]

embryos[]

placenta[(vascular\_structure)(reproductive\_structure)]

supply[(activity)(economic\_process)(indefinite\_quantity)]

perches[]

splitfins[]

oophagy[]

halfbeak[(teleost\_fish,teleost,teleostan)]

cannibalism[(practice,pattern)]

mode[(average,norm)(diatonic\_scale)(grammatical\_relation)(logical\_relation)(condition,status)(property)]

vivipary[]

siblings[]

nurse[(woman,adult\_female)(keeper)(health\_professional,primary\_care\_provider,PCP,health\_care\_provider,caregiver)]

Aquarists[]

livebearers[]

erythrocytes[]

macrophages[]

plasma[(state\_of\_matter,state)(chalcedony,calcedony)(extracellular\_fluid,ECF)]

kidney[(excretory\_organ,urinary\_organ)]

pronephros[]

granulocytes[]

bone[(white,whiteness)(animal\_material)(connective\_tissue)]

marrow[(content,cognitive\_content,mental\_object)(summer\_squash)(dainty,delicacy,goody,kickshaw,treat)(summer\_squash,summer\_squash\_vine,Cucurbita\_pepo\_melopepo)(connective\_tissue)]

chondrichthyes[(class)]

walls[]

spiral[(rotation,rotary\_motion)(structure,construction)(decoration,ornament,ornamentation)(economic\_process)(curve,curved\_shape)(curve,curved\_shape)]

valve[(shell)(shell)(control,controller)(device)(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)]

lymphocytes[]

thymus[(endocrine\_gland,endocrine,ductless\_gland)(asterid\_dicot\_genus)]

spleen[(bad\_temper,ill\_temper)(lymphatic\_tissue,lymphoid\_tissue)]

paddlefish[(ganoid,ganoid\_fish)]

site[(computer,computing\_machine,computing\_device,data\_processor,electronic\_computer,information\_processing\_system)(position,place)(tract,piece\_of\_land,piece\_of\_ground,parcel\_of\_land,parcel)]

production[(creation,creative\_activity)(industry,manufacture)(display)(indefinite\_quantity)(exhibition)(creation)(presentation)(act,deed,human\_action,human\_activity)]

meninges[(membrane,tissue\_layer)]

membranes[]

teleostei[(class)]

neutrophils[]

cell[(room)(room)(radiotelephone,radiophone,wireless\_telephone)(political\_unit,political\_entity)(electrical\_device)(living\_thing,animate\_thing)(compartment)]

zebrafish[]

T[(thyroid\_hormone)(thyroid\_hormone)(letter,letter\_of\_the\_alphabet,alphabetic\_character)(metric\_weight\_unit,weight\_unit)(nucleotide,base)(pyrimidine)]

diseases[]

parasites[]

defenses[]

mucus[(secretion)]

layer[(structure,anatomical\_structure,complex\_body\_part,bodily\_structure,body\_structure)(hen,biddy)(place)(region,part)(artifact,artefact)]

epidermis[(stratum)]

traps[]

microorganisms[]

pathogens[]

flow[(discharge,emission,expelling)(course,line)(motion)(natural\_process,natural\_action,action,activity)(motion,movement,move)(rate)(change\_of\_location,travel)]

region[(knowledge\_domain,knowledge\_base,domain)(indefinite\_quantity)(location)(body\_part)(location)]

vaccines[]

furunculosis[(skin\_disease,disease\_of\_the\_skin,skin\_disorder)]

koi[]

herpes[(animal\_virus)(infectious\_disease)]

virus[(malevolent\_program)(representation,delegacy,agency)(microorganism,micro-organism)(infectious\_agent,infective\_agent)]

Bluestreak[]

wrasses[]

genus[(taxonomic\_group,taxonomic\_category,taxon)(kind,sort,form,variety)]

reefs[]

Oceans[]

cleaning[(improvement)]

stations[(devotion)(series)]

movements[]

attention[(stance)(faculty,mental\_faculty,module)(courtesy)(attraction,attractor,attracter,attractive\_feature,magnet)(work)(basic\_cognitive\_process)]

case[(container)(bed\_linen)(receptacle)(framework)(housing)(covering,natural\_covering,cover)(type)(adult,grownup)(state\_of\_mind,frame\_of\_mind)(grammatical\_category,syntactic\_category)(containerful)(argument,statement)(problem)(person,individual,someone,somebody,mortal,soul)(person,individual,someone,somebody,mortal,soul)(container)(fact)(proceeding,legal\_proceeding,proceedings)(circumstance)(happening,occurrence,occurrent,natural\_event)]

maculatus[]

gradation[(quantification)(ablaut)(rank)]

animation[(activity)(filming,cinematography,motion-picture\_photography)(energizing,activating,activation)(activeness,activity)(animateness,aliveness,liveness)(being,beingness,existence)]

meter[(rhythmicity)(poetic\_rhythm,rhythmic\_pattern,prosody)(measuring\_instrument,measuring\_system,measuring\_device)(metric\_linear\_unit)]

Proliferation[(increase,increment,growth)(growth,growing,maturation,development,ontogeny,ontogenesis)]

jaw[(holding\_device)(feature,lineament)(bone,os)]

fossils[]

advantage[(benefit,welfare)(point)(asset,plus)]

combination[(change\_of\_integrity)(mathematical\_process,mathematical\_operation,operation)(alliance,coalition,alignment,alinement)(unit,social\_unit)(sequence)(sequence)(collection,aggregation,accumulation,assemblage)]

**Analysis:**

## Some examples of how it could help:

sapling[(tree)]

useful for reaching the wiki page

muscle[(strength)(authority,authorization,authorisation,potency,dominance,say-so)(bully,tough,hooligan,ruffian,roughneck,rowdy,yob,yobo,yobbo)(animal\_tissue)(contractile\_organ,contractor)]

muscle – strength is a good one for talking about fish and their strength.

## Some confusing examples:

tree[(Tree,Sir\_Herbert\_Beerbohm\_Tree)(tree\_diagram)]

the results for sir Herbert tree are not really related to trees.

ring[(band)(band)(ringing,tintinnabulation)(gang,pack,mob)(closed\_chain)(hoop)(halo,annulus,doughnut,anchor\_ring)]

music bands could come up with ring results.

combination[(change\_of\_integrity)(mathematical\_process,mathematical\_operation,operation)(alliance,coalition,alignment,alinement)(unit,social\_unit)(sequence)(sequence)(collection,aggregation,accumulation,assemblage)]

muscle[(strength)(authority,authorization,authorisation,potency,dominance,say-so)(bully,tough,hooligan,ruffian,roughneck,rowdy,yob,yobo,yobbo)(animal\_tissue)(contractile\_organ,contractor)]

role[(function,purpose,use)(character,theatrical\_role,part,persona)(function,office,part)]

## How to improve:

Synonyms/Hypernyms could be weighted less when searching, perhaps they only relate to the most frequent words in each document. The synonyms and hypernyms for the main words of the document are far more useful than others.

Ie you search for tree, and a hypernym is yellowwood. This may be useful if the article is about yellowwoods, but not if it just mentions it. This may get filtered out in normal filtering, but some increased precedence could be put on title fields in the documents

Another method would be to compare the results found for the synonym word in the index with the actual word. See if words around it are similar. Ie search for ‘theatrical role’ and then ‘role’ and compare the contents of the documents returned, if the contain high counts for common terms perhaps they are a good result.

You could also build an index of synonyms that are often used alongside the actual word in documents, and only use the top x amount of synonyms from that list. Ie do a search on the index for “reason AND grounds” and “reason AND cause” to see which returns the most results, use this as an indicator of which is the better synonym. This could have problems with obscure synonyms being missed out, but they could be utilized if the search results are small.

The main thing we need to do is to try and use the context a bit better, an article about trees is not going to want the definition of role to be theatrical\_role it’s more likely to want function or purpose. Chance are documents about trees will interchange with these definitions at some point, but they will rarely use theatrical role in them.