



# Down to a Science - Earth

8-letter bingos on **SCIENCE - EARTH** (geology, oceanography, meteorology) go down on your board – See also other **Science** lists compiled by Jacob Cohen, Asheville Scrabble Club

## A 8s - Earth (geology, oceanography, meteorology)

|          |          |   |
|----------|----------|---|
| ADULARIA | AAADILRU | mineral [n -S]  |
| AEROLITE | AEEILORT | meteorite containing more stone than iron [n -S]                        |
| AEROLITH | AEHILORT | aerolite (meteorite containing more stone than iron) [n -S]             |
| AEROLOGY | AEGLOORY | study of atmosphere [n -GIES]   |
| AERONOMY | AEMNOORY | study of upper atmosphere [n -MIES]                                     |
| AESTIVAL | AAEILSTV | estival (pertaining to summer) [adj]                                    |
| AETHERIC | ACEEHIRT | AETHER, upper region of atmosphere [adj]                                |
| AFFOREST | AEFFORST | to convert into forest [v -ED, -ING, -S]                                |
| AGROLOGY | AGGLOORY | science of soils in relation to crops [n -GIES]                         |
| AIGUILLE | AEGIILLU | sharp, pointed mountain peak [n -S]                                     |
| AIRSPACE | AACEIPRS | portion of atmosphere above particular land area [n -S]                 |
| ALLANITE | AAEILLNT | mineral [n -S]  |
| ALLUVIAL | AAILLUV  | soil composed of alluvium [n -S]  |
| ALMANACK | AAACKLMN | almanac (annual publication containing general information) [n -S]      |
| AMETHYST | AEHMSTTY | variety of quartz [n -S]  |
| AMIANUS  | AAIMNSTU | variety of asbestos [n -ES]   |
| ANABATIC | AAABCINT | pertaining to rising wind currents [adj]                                |
| ANALCIME | AACEILMN | analcite (mineral) [n -S]   |
| ANALCITE | AACEILNT | mineral [n -S]  |
| ANDESITE | ADEEINST | volcanic rock [n -S]  |
| ANDESYTE | ADEENSTY | andesite (volcanic rock) [n -S]   |
| ANKERITE | AEEIKNRT | mineral [n -S]  |
| ANTHELIA | AAEHILNT | halolike areas seen in sky opposite sun [n]                             |
| ANTISMOG | AGIMNOST | designed to reduce pollutants that cause smog [adj]                     |
| ANVILTOP | AILNOPTV | anvil-shaped cloud mass [n -S]  |
| APHANITE | AAEHINPT | igneous rock [n -S]   |
| ASBESTIC | ABCEISST | ASBESTOS, mineral [adj]   |
| ASBESTOS | ABEOSSST | mineral [n -ES]   |
| ASBESTUS | ABESSSTU | asbestos (mineral) [n -ES]  |
| ASTERISM | AEIMRSST | property of certain minerals of showing starlike luminous figure [n -S] |
| AUTUMNAL | AALMNTUU | AUTUMN, season of year [adj]  |
| AUTUNITE | AEINTTUU | mineral [n -S]  |

## B 8s - Earth (geology, oceanography, meteorology)

|          |          |  |
|----------|----------|--|
| BACKRUSH | ABCHKRSU | seaward return of water from wave [n -ES]  |
| BANKSIDE | ABDEIKNS | slope of river bank [n -S]                 |
| BASALTIC | AABCILST | BASALT, volcanic rock [adj]                |
| BAUXITIC | ABCIITUX | BAUXITE, ore of aluminum [adj]             |
| BAYFRONT | ABFNORTY | shoreline of bay (inlet of sea) [n -S]     |
| BEDEWING | BDEEGINW | BEDEW, to wet with dew [v]                 |
| BEFOGGED | BDEEFGGO | BEFOG, to envelop in fog [v]               |
| BEMISTED | BDEEIMST | BEMIST, to envelop in mist [v]             |
| BERYLIN  | BEEILNRY | BERYL, green mineral [adj]                 |
| BESNOWED | BDEENOSW | BESNOW, to cover with snow [v]             |
| BLASTIER | ABEILRST | BLASTY, gusty (blowing in gusts) [adj]     |
| BLIZZARD | ABDILRZZ | heavy snowstorm [n -S] / [v -ED, -ING, -S] |
| BLOWDOWN | BDLNOOWW | tree blown down by wind [n -S]             |



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|          |          |   |
|----------|----------|---|
| BLOWIEST | BEIHOSTW | BLOWY, windy (marked by strong wind) [adj]                      |
| BLUSTERY | BELRSTUY | windy (marked by strong wind) [adj]                             |
| BOEHMITE | BEEHIMOT | mineral [n -S]  |
| BOGGIEST | BEGGIOST | BOGGY, marshy (resembling marsh (tract of low, wet land)) [adj] |
| BORACITE | ABCEIORT | mineral [n -S]  |
| BOREASES | ABEEORSS | BOREAS, north wind [n]  |
| BORNITIC | BCIINORT | BORNITE, ore of copper [adj]                                    |
| BOULDERY | BDELORUY | characterized by large rocks [adj]                              |
| BRAUNITE | ABEINRTU | mineral [n -S]  |
| BRECCIAL | ABCCEILR | BRECCIA, type of rock [adj]                                     |
| BREEZIER | BEEEIRRZ | BREEZY, windy (marked by strong wind) [adj]                     |
| BREEZILY | BEEILRYZ | BREEZY, windy (marked by strong wind) [adv]                     |
| BREEZING | BEEGINRZ | BREEZE, to move swiftly [v]                                     |
| BROOKITE | BEIKOORT | mineral [n -S]  |
| BRUNIZEM | BEIMNRUZ | prairie soil [n -S]   |
| BURBLING | BBGILNRU | breaking up of airflow into turbulence [n -S]                   |
| BUSHLAND | ABDHLNSU | unsettled forest land [n -S]                                    |

## **C 8s - Earth (geology, oceanography, meteorology)**

|          |          |   |
|----------|----------|---|
| CABOCHON | ABCCHNOO | precious stone [n -S]   |
| CALCITIC | ACCCIILT | CALCITE, mineral [adj]  |
| CALCSPAR | AACCLPRS | calcite (mineral) [n -S]  |
| CALCTUFA | AACCFLTU | mineral deposit [n -S]  |
| CALCTUFF | ACCCFLTU | calctufa (mineral deposit) [n -S]                                     |
| CALMNESS | ACELMNSS | state of being calm (free from agitation) [n -ES]                     |
| CENOZOIC | CCEINOOZ | of or pertaining to certain geologic time period [adj]                |
| CERUSITE | CEEIRSTU | lead ore [n -S]   |
| CHERTIER | CEEHIRRT | CHERTY, resembling chert (compact rock) [adj]                         |
| CHILLEST | CEHILLST | CHILL, cool (moderately cold) [adj]                                   |
| CHILLIER | CEHIILLR | CHILLY, cool (moderately cold) [adj]                                  |
| CHILLILY | CHIILLLY | CHILLY, cool (moderately cold) [adv]                                  |
| CHILLING | CGHIILLN | CHILL, to make cold (having little or no warmth) [v]                  |
| CHLORITE | CEHILORT | mineral group [n -S]  |
| CHRESARD | ACDEHRRS | available water of soil [n -S]  |
| CHROMING | CGHIMNOR | chromium ore [n -S]   |
| CHROMITE | CEHIMORT | chromium ore [n -S]   |
| CHUBASCO | ABCCHOSU | violent thunderstorm [n -S]   |
| CINNABAR | AABCINNR | principal ore of mercury [n -S]                                       |
| CLEVEITE | CEEEILTV | radioactive mineral [n -S]  |
| CLIMATAL | AACILLMT | CLIMATE, weather conditions characteristic of area [adj]              |
| CLIMATIC | ACCIILMT | CLIMATE, weather conditions characteristic of area [adj]              |
| CLOUDIER | CDEILORU | CLOUDY, overcast with clouds [adj]                                    |
| CLOUDILY | CDILLOUY | CLOUDY, overcast with clouds [adv]                                    |
| CLOUDING | CDGILNOU | CLOUD, to cover with clouds (masses of visible vapor) [v]             |
| CLOUDLET | CDELLOTU | small cloud [n -S]  |
| COLDNESS | CDELNOSS | state of being cold (having little or no warmth) [n -ES]              |
| COLLUVIA | ACILLOUV | rock debris [n]   |
| CONODONT | CDNNOOOT | fossil (remains of animal or plant preserved in earth's crust) [n -S] |



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|          |          |   |
|----------|----------|---|
| COOLNESS | CELNOOSS | state of being cool (moderately cold) [n -ES] |
| CORUNDUM | CDMNORUU | hard mineral [n -S]                           |
| CRANNOGE | ACEGNOR  | crannog (artificial island) [n -S]            |
| CROCOITE | CCEIOORT | mineral [n -S]                                |
| CROPLAND | ACDLNOPR | farmland (cultivated land) [n -S]             |
| CRYOLITE | CEILORTY | mineral [n -S]                                |
| CUMULOUS | CLMOSUUU | CUMULUS, type of cloud [adj]                  |
| CYANITIC | ACCIINTY | CYANITE, mineral [adj]                        |
| CYCLONAL | ACLLNOY  | CYCLONE, rotating system of winds [adj]       |
| CYCLONIC | CCCILNOY | CYCLONE, rotating system of winds [adj]       |

## D 8s - Earth (geology, oceanography, meteorology)

|          |          |   |
|----------|----------|---|
| DEFOGGED | DDEEFGGO | DEFOG, to remove fog from [v]                                     |
| DELUGING | DEGGILNU | DELUGE, to flood (to inundate (to overwhelm with water)) [v]      |
| DEMISTED | DDEEIMST | DEMIST, to defog (to remove fog from) [v]                         |
| DETRITAL | ADEILRTT | DETRITUS, particles of rock [adj]                                 |
| DETRITUS | DEIRSTTU | particles of rock [n DETRITUS]                                    |
| DEVONIAN | ADEINNOV | of or pertaining to certain geologic time period [adj]            |
| DEWINESS | DEEINSSW | state of being dewy (moist with dew) [n -ES]                      |
| DIABASIC | AABCDIIS | DIABASE, igneous rock [adj]                                       |
| DIALLAGE | AADEGILL | mineral [n -S]  |
| DIAPIRIC | ACDIIIPR | DIAPIR, bend in layer of rock [adj]                               |
| DIASPORE | ADEIOPRS | mineral [n -S]  |
| DILUVIAL | ADIILLUV | pertaining to flood [adj]   |
| DILUVIAN | ADIILNUV | diluvial (pertaining to flood) [adj]                              |
| DILUVION | DIILNOUV | diluvium (coarse rock material deposited by glaciers) [n -S]      |
| DILUVIUM | DIILMUUV | coarse rock material deposited by glaciers [n -S or -IA]          |
| DIOPSIDE | DDEIIOPS | mineral [n -S]  |
| DIOPTASE | ADEIOPST | mineral [n -S]  |
| DIORITIC | CDIIIORT | DIORITE, igneous rock [adj]                                       |
| DOLERITE | DEEILORT | variety of basalt [n -S]  |
| DOLOMITE | DEILMOOT | mineral [n -S]  |
| DOWNLAND | ADDLNNOW | rolling treeless upland [n -s]                                    |
| DOWNPOUR | DNOOPRUW | heavy rain [n -S]   |
| DOWNWASH | ADHNOSWW | downward deflection of air [n -ES]                                |
| DOWNWIND | DDINNOWW | in direction that wind blows [adv]                                |
| DRAFTIER | ADEFIRRT | DRAFTY, having or exposed to currents of air [adj]                |
| DRAFTILY | ADFILRTY | DRAFTY, having or exposed to currents of air [adv]                |
| DRAUGHTY | ADGHRTUY | drafty (having or exposed to currents of air) [adj -TIER, -TIEST] |
| DRIFTAGE | ADEFGIRT | act of drifting (to move along in current) [n -S]                 |
| DRIFTIER | DEFIIRRT | DRIFTY, full of drifts (masses of wind-driven snow) [adj]         |
| DRIFTING | DFGIINRT | DRIFT, to move along in current [v]                               |
| DROUGHTY | DGHORTUY | dry (having no moisture) [adj -TIER, -TIEST]                      |
| DUNELAND | ADDELNNU | area having many dunes [n -S]                                     |

## E 8s - Earth (geology, oceanography, meteorology)

|          |          |  |
|----------|----------|--|
| EASTERLY | AEELRSTY | wind from east [n -LIES]                                   |
| ECLOGITE | CEEGILOT | type of rock [n -S]  |
| ELUVIATE | AEEILTUV | to undergo transfer of materials in soil [v -D, -TING, -S] |



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|          |          |   |
|----------|----------|---|
| EMPYREAL | AEELMPRY | pertaining to sky [adj]                                 |
| EPIDOTIC | CDEIIOPT | EPIDOTE, mineral [adj]                                  |
| EPIGENIC | CEEGIINP | pertaining to change in mineral character of rock [adj] |
| ERUPTIVE | EEIPRTUV | type of rock [n -S]                                     |
| ESSONITE | EEINOSST | variety of garnet [n -S]                                |
| EUXENITE | EEEINTUX | mineral [n -S]  |

## F 8s - Earth (geology, oceanography, meteorology)

|          |           |   |
|----------|-----------|---|
| FAHLBAND | AABDFHLN  | band or stratum of rock impregnated with metallic sulfides [n -S] |
| FAVONIAN | AAFINNOV  | pertaining to west wind [adj]                                     |
| FAYALITE | AAEFILTY  | mineral [n -S]  |
| FELDSPAR | ADEFLLPRS | mineral [n -S]  |
| FELSITIC | CEFIILST  | FELSITE, igneous rock [adj]                                       |
| FELSTONE | EEFLNOST  | felsite (igneous rock) [n -S]                                     |
| FENNIEST | EEFINNST  | FENNY, marshy (resembling marsh (tract of low, wet land)) [adj]   |
| FLINKITE | EFIIKLNT  | mineral [n -S]  |
| FLOODING | DFGILNOO  | FLOOD, to inundate (to overwhelm with water) [v]                  |
| FLUORITE | EFILORTU  | mineral [n -S]  |
| FLYSCHES | CEFHLSY   | FLYSCH, sandstone deposit [n]                                     |
| FOGBOUND | BDFGNOOU  | surrounded by fog [adj]   |
| FOGGIEST | EFGGIOST  | FOGGY, filled with fog [adj]                                      |
| FOOTWALL | AFLLOOTW  | layer of rock beneath vein of ore [n -S]                          |
| FORELAND | ADEFLLNOR | projecting mass of land [n -S]                                    |
| FORESTAL | AEFLORST  | of or pertaining to forest [adj]                                  |
| FORESTED | DEEFORST  | FOREST, to convert into forest (densely wooded area) [v]          |
| FORESTRY | EFORRSTY  | science of planting and managing forests [n -RIES]                |
| FRIGIDLY | DFGIILRY  | FRIGID, very cold [adv]   |
| FROSTIER | EFIORRST  | FROSTY, covered with frost [adj]                                  |
| FROSTILY | FILORSTY  | FROSTY, covered with frost [adv]                                  |
| FROSTING | FGINORST  | FROST, to cover with frost (deposit of minute ice crystals) [v]   |
| FROZENLY | EFLNORYZ  | FROZEN, very cold [adv]   |
| FUMAROLE | AEFLMORU  | hole from which volcanic vapors issue [n -S]                      |

## G 8s - Earth (geology, oceanography, meteorology)

|          |          |  |
|----------|----------|--|
| GABBROIC | ABBCGIOR | GABBRO, type of rock [adj]   |
| GABBROID | ABBDGIOR | GABBRO, type of rock [adj]   |
| GALENITE | AEEGILNT | galena (principal ore of lead) [n -S]                                |
| GANISTER | AEGINRST | type of rock [n -S]  |
| GEMOLOGY | EGGLMOOY | science of gems [n -GIES]  |
| GEMSTONE | EEGMNOST | precious stone [n -S]  |
| GEOGNOSY | EGGNOOSY | branch of geology [n -SIES]  |
| GEOLOGER | EEGGLOOR | specialist in geology [n -S]   |
| GEOLOGIC | CEGGILOO | GEOLOGY, science that deals with origin and structure of earth [adj] |
| GEOPHONE | EEGHNOOP | device that detects vibrations in earth [n -S]                       |
| GEYSERED | DEEEGRSY | GEYSER, to eject jets of hot water and steam [v]                     |
| GIBBSITE | BBEGIIST | mineral [n -S]   |
| GIRASOLE | AEGILORS | girasol (variety of opal) [n -ES]                                    |
| GLACIATE | AACEGILT | to cover with glaciers [v -D, -TING, -S]                             |
| GLACIERS | ACEGILRS | GLACIER, huge mass of ice [n]  |



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|          |          |  |
|----------|----------|--|
| GLENLIKE | EEGIKLLN | GLEN, small valley (depression of earth's surface) [adj] |
| GNEISSES | EEGINSSS | GNEISS, type of rock [n]                                 |
| GNEISSIC | CEGIINSS | GNEISS, type of rock [adj]                               |
| GOETHITE | EEGHIOTT | ore of iron [n -S]                                       |
| GRANITIC | ACGIINRT | GRANITE, type of rock [adj]                              |
| GRAPHITE | AEGHIPRT | variety of carbon [n -S]                                 |
| GULLYING | GGILLNUY | GULLY, to form ravines by action of water [v]            |
| GUSTIEST | EGISSTTU | GUSTY, blowing in gusts [adj]                            |
| GUSTLESS | EGLSSSTU | having no gusts [adj]                                    |

## **H 8s - Earth (geology, oceanography, meteorology)**

|          |          |   |
|----------|----------|---|
| HARDPACK | AACDHKPR | compacted snow [n -S]                                       |
| HEADLAND | AADDEHLN | cliff (high, steep face of rock) [n -S]                     |
| HEADWIND | ADDEHINW | oncoming wind [n -S]  |
| HELIACAL | AACEHILL | pertaining to sun [adj]                                     |
| HEMATITE | AEEHIMTT | ore of iron [n -S]  |
| HIBERNAL | ABEHILNR | pertaining to winter [adj]                                  |
| HIGHLAND | ADGHHILN | elevated region [n -S]                                      |
| HOLOCENE | CEEHLNOO | of or pertaining to certain geologic time period [adj]      |
| HORNFELS | EFHLNORS | silicate rock [n HORNFELS or -ES]                           |
| HUMIDIFY | DFHIIMUY | to make humid (having much humidity) [v -FIED, -ING, -FIES] |
| HUMIDITY | DHIIMTUY | moisture of air [n -TIES]                                   |
| HUMITURE | EHIMRTUU | combined measurement of temperature and humidity [n -S]     |

## **I 8s - Earth (geology, oceanography, meteorology)**

|           |          |  |
|-----------|----------|--|
| ICESCAPE  | ACCEEIPS | landscape covered with ice [n -S]  |
| IDOCRASE  | ACDEIORS | mineral [n -S]   |
| ILLUVIAL  | AIILLUV  | ILLUVIUM, type of material accumulated in soil [adj]   |
| ILLUVIUM  | IILLMUUV | type of material accumulated in soil [n -S or -IA]   |
| ILMENITE  | EEIILMNT | mineral [n -S]   |
| INFLUENT  | EFILNNTU | tributary [n -S]   |
| INSOLATE  | AEILNOST | to expose to sunlight [v -D, -ING, -S]   |
| ISLANDED  | ADDEILNS | ISLAND, to make into island (land area entirely surrounded by water) [v]                     |
| ISOICHEIM | CEHIIMOS | type of isotherm (line on map connecting points of equal mean temperature) [n -S]            |
| ISOCHIME  | CEHIIMOS | isocheim (type of isotherm (line on map connecting points of equal mean temperature)) [n -S] |
| ISOCHORE  | CEHIOORS | curve used to show relationship between pressure and temperature [n -S]                      |
| ISOCLINE  | CEIILNOS | type of rock formation [n -S]  |
| ISOTHERE  | EEHIOBST | type of isotherm (line on map connecting points of equal mean temperature) [n -S]            |
| ISTHMOID  | DHIIMOST | isthmus (pertaining to isthmus (strip of land connecting two larger land masses)) [adj]      |

## **J 8s - Earth (geology, oceanography, meteorology)**

|          |          |   |
|----------|----------|---|
| JAROSITE | AEIJORST | mineral [n -S]  |
| JUNGLIER | EGIJLNRU | JUNGLE, resembling jungle (land covered with dense tropical vegetation) [adj] |
| JURASSIC | ACIJRSSU | of or pertaining to certain geologic time period [adj]                        |

## **K 8s - Earth (geology, oceanography, meteorology)**

|          |          |                                  |
|----------|----------|----------------------------------|
| KHAMSEEN | AEEHKMNS | khamsin (hot, dry wind) [n -S]   |
| KRYOLITE | EIKLORTY | cryolite (mineral) [n -S]        |
| KRYOLITH | HIKLORTY | cryolite (mineral) [n -S]        |
| KYANITIC | ACIIKNTY | KYANITE, cyanite (mineral) [adj] |

## **L 8s - Earth (geology, oceanography, meteorology)**



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|  |          |  |
|--|----------|--|
| LAKEBEDS   | ABDEEKLS | LAKEBED, floor of lake [n]                                       |
| LAKEFILL   | AEFIKLLL | area of land built by filling lake [n -S]                        |
| LAKEHEAD   | AADEEHKL | shore of lake farthest from outlet [n -S]                        |
| LAKELAND   | AADEKLLN | area with many lakes [n -S]                                      |
| LAKELIKE   | AEEIKKLL | LAKE, sizable inland body of water [adj]                         |
| LAKESIDE   | ADEEIKLS | land along edge of lake [n -S]                                   |
| LAKEWARD   | AADEKLRW | facing lake [adj]  |
| LANDFAST   | AADFLNST | attached to shore -- used of ice [adj]                           |
| LANDFORM   | ADFLMNOR | natural feature of earth's surface [n -S]                        |
| LANDSLIP   | ADILLNPS | fall of mass of earth [n S]                                      |
| LANDWARD   | AADDLNRW | toward land [adv]  |
| LANDWASH   | AADHLNSW | shore area between high-water mark and sea [n -ES]               |
| LATERITE   | AEEILRTT | type of soil [n -S]  |
| LAVALIKE   | AAEIKLLV | resembling lava (molten rock that issues from volcano) [adj]     |
| LAZULITE   | AEILLTUZ | mineral [n -S]   |
| LAZURITE   | AEILRTUZ | mineral [n -S]   |
| LEAFMOLD   | ADEFLLMO | soil composed mostly of decayed leaves [n -S]                    |
| LEUCITIC   | CCEIILTU | LEUCITE, mineral [adj]   |
| LEVANTER   | AEELNRTV | easterly Mediterranean wind [n -S]                               |
| LIBECCIO   | BCCEIILO | southwest wind [n -S]  |
| LIMNETIC   | CEIILMNT | pertaining to open water of lake or pond [adj]                   |
| LIMONITE   | EIILMNOT | major ore of iron [n -S]   |
| LITHOSOL   | HILLOOST | type of soil [n -S]  |
| LITTORAL   | AILLORTT | coastal region [n -S]  |
| LOESSIAL   | AEILLOSS | LOESS, soil deposit [adj]  |
| <b>M 8s - Earth (geology, oceanography, meteorology)</b> |          |  |
| MAGMATIC   | AACGIMMT | MAGMA, molten matter from which igneous rock is formed [adj]     |
| MAINLAND   | AADILMNN | principal land mass [n -S]                                       |
| MALMIEST   | AEILMMST | MALMY, resembling malm (soft, friable limestone) [adj]           |
| MAMMATUS   | AAMMMSTU | type of cloud [n -TI]  |
| MARISHES   | AEHIMRSS | MARISH, marsh (tract of low, wet land) [n]                       |
| MARSHIER   | AEHIMRRS | MARSHY, resembling marsh (tract of low, wet land) [adj]          |
| MAUSIEST   | AEIMSSTU | MAUSY, mauzy (foggy, misty) [adj]                                |
| MAUZIEST   | AEIMSTUZ | MAUZY, foggy, misty [adj]  |
| MELANITE   | AEEILMNT | black variety of garnet [n -S]                                   |
| MELILITE   | EEIILLMT | mineral group [n -S]   |
| MESOZOIC   | CEIMOOSZ | of or pertaining to certain geologic time period [adj]           |
| MICROBAR   | ABCIMORR | unit of atmospheric pressure [n -S]                              |
| MILLIBAR   | ABIILLMR | unit of atmospheric pressure [n -S]                              |
| MIMETITE   | EEIIMMTT | ore of lead [n -S]   |
| MIRINESS   | EIIMNRSS | state of being miry (swampy (marshy (resembling marsh))) [n -ES] |
| MIZZLIER   | EIILMRZZ | MIZZLY, characterized by fine rain [adj]                         |
| MIZZLING   | GIILMNZZ | MIZZLE, to rain in fine droplets [v]                             |
| MONAZITE   | AEIMNOTZ | mineral [n -S]   |
| MOORIEST   | EIMOORST | MOORY, marshy (resembling marsh (tract of low, wet land)) [adj]  |
| MOORLAND   | ADLMNOOR | tract of marshy land [n -S]                                      |
| MORAINAL   | AAILMNOR | MORaine, accumulation of debris deposited by glacier [adj]       |





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|          |          |  |
|----------|----------|--|
| MORAINIC | ACIIMNOR | MORAINE, accumulation of debris deposited by glacier [adj] |
| MORASSES | AEMORSSS | MORASS, marsh (tract of low, wet land) [n]                 |
| MOUNTAIN | AIMNNOTU | large, natural elevation of earth's surface [n -S]         |
| MUDSTONE | DEMNOSTU | type of rock [n -S]  |
| MUGGIEST | EGGIMSTU | MUGGY, warm and humid [adj]                                |
| MYLONITE | EILMNOTY | type of rock [n -S]  |

## **N 8s - Earth (geology, oceanography, meteorology)**

|          |          |   |
|----------|----------|---|
| NEPHRITE | EEHINPRT | mineral [n -S]                                |
| NIMBUSED | BDEIMNSU | NIMBUS, luminous cloud [adj]                  |
| NIMBUSES | BEIMNSSU | NIMBUS, luminous cloud [n]                    |
| NONPOLAR | ALNNOOPR | not polar [adj]                               |
| NONTIDAL | ADILNNOT | not tidal [adj]                               |
| NUBILOSE | BEILNOSU | nubious (cloudy (overcast with clouds)) [adj] |
| NUBILOUS | BILNOSUU | cloudy (overcast with clouds) [adj]           |

## **O 8s - Earth (geology, oceanography, meteorology)**

|          |          |  |
|----------|----------|--|
| OBSIDIAN | ABDIINOS | volcanic glass [n -S]                                |
| OFFSHORE | EFFHOORS | area of submerged land out from shore [n -S]         |
| OLIVINIC | CIIILNOV | OLIVINE, mineral [adj]                               |
| OROGENIC | CEGINOOR | OROGENY, process of mountain formation [adj]         |
| OVERCAST | ACEORSTV | to become cloudy or dark [v -CAST or -ED, -TING, -S] |

## **P 8s**

## **P 8s - Earth (geology, oceanography, meteorology)**

|          |          |   |
|----------|----------|---|
| PALEOSOL | AELLOOPS | layer of ancient soil [n -S]  |
| PARKIEST | AEIKPRST | PARKY, chilly (cool (moderately cold)) [adj]                              |
| PARKLAND | AADKLNPR | grassland region with isolated or grouped trees [n -S]                    |
| PEATLAND | AADELNPT | land consisting mostly of peat [n -S]                                     |
| PEDALFER | ADEEFLPR | type of soil [n -S]   |
| PERLITIC | CEIILPRT | PERLITE, volcanic glass [adj]   |
| PETUNTSE | EENPSTTU | mineral [n -S]  |
| PETUNTZE | EENPTTUZ | petuntse (mineral) [n -S]   |
| PHYLLITE | EHILLPTY | foliated rock [n -S]  |
| PICRITIC | CCIIIPRT | PICRITE, igneous rock [adj]   |
| PIEDMONT | DEIMNOPT | area lying at foot of mountain [n -S]                                     |
| PINELAND | ADEILNNP | land forested with pine [n -S]  |
| PISOLITE | EIILOPST | limestone [n -S]  |
| PISOLITH | HIILOPST | small rounded concretion of limestone [n -S]                              |
| PLANOSOL | ALLNOOPS | type of soil [n -S]   |
| PLASHIER | AEHILPRS | PLASHY, marshy (resembling marsh (tract of low, wet land)) [adj]          |
| PLIOCENE | CEEILNOP | of or pertaining to certain geologic time period [adj]                    |
| PLUMBAGO | ABGLMOPU | graphite (variety of carbon) [n -S]                                       |
| PLUTONIC | CILNOPTU | PLUTON, formation of igneous rock [adj]                                   |
| PLUVIOSE | EILOPSUV | pluvios (pertaining to rain) [adj]  |
| PLUVIOUS | ILOPSUUV | pertaining to rain [adj]  |
| POACHIER | ACEHIOPR | POACHY, swampy (marshy (resembling marsh (tract of low, wet land))) [adj] |
| PODSOLIC | CDILOOPS | PODSOL, podzol (infertile soil) [adj]                                     |
| PODZOLIC | CDILOOPZ | PODZOL, infertile soil [adj]  |
| POECHORE | CEEHOOPR | semiarid region [n -S]  |



# Down to a Science - Earth

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|          |          |   |
|----------|----------|---|
| PORPHYRY | HOPRRYY  | igneous rock [n -RIES]                                  |
| POTSTONE | ENOOPSTT | variety of steatite [n -S]                              |
| PRAEDIAL | AADEILPR | pertaining to land [adj]                                |
| PSAMMITE | AEIMMPST | fine-grained rock [n -S]                                |
| PSEPHITE | EEHIPST  | rock composed of small pebbles [n -S]                   |
| PUMICING | CGIIMNPU | PUMICE, to polish with porous volcanic rock [v]         |
| PUMICITE | CEIIMPTU | porous volcanic rock [n -S]                             |
| PYROXENE | EENOPRXY | any of group of minerals common in igneous rocks [n -S] |

## Q 8s - Earth (geology, oceanography, meteorology)

|          |          |  |
|----------|----------|--|
| QUAGGIER | AEGGIQRU | QUAGGY, marshy (resembling marsh (tract of low, wet land)) [adj]       |
| QUAGMIRE | AEGIMQRU | area of marshy ground [n -S]   |
| QUAGMIRY | AGIMQRUY | marshy (resembling marsh (tract of low, wet land)) [adj -RIER, -RIEST] |
| QUARTZES | AEQRSTUZ | QUARTZ, mineral [n]  |

## R 8s - Earth (geology, oceanography, meteorology)

|          |          |  |
|----------|----------|--|
| RAINDROP | ADINOPRR | drop of rain [n -S]  |
| RAINFALL | AAFILLNR | fall of rain [n -S]  |
| RAINIEST | AEIINRST | RAINY, marked by rain [adj]  |
| RAINLESS | AEILNRSS | having no rain [adj]   |
| RAINWASH | AAHINRSW | to wash material downhill by rain [v -ED, -ING, -ES]               |
| REEFIEST | EEEFIRST | REEFY, abounding in ridges of rock [adj]                           |
| REFUGIUM | EFGIMRUU | stable area during period of continental climactic change [n -GIA] |
| REGOLITH | EGHILORT | layer of loose rock [n -S]   |
| RENDZINA | ADEINNRZ | type of soil [n -S]  |
| RETINITE | EEIINRTT | fossil resin [n -S]  |
| RHYOLITE | EHILORTY | volcanic rock [n -S]   |
| RIDGETOP | DEGIOPRT | crest of ridge [n -S]  |
| RIDGIEST | DEGIIRST | RIDGY, having ridges [adj]   |
| RIVERBED | BDEEIRRV | area covered or once covered by river [n -S]                       |
| RIVERINE | EEIINRRV | pertaining to river (large, natural stream of water) [adj]         |
| ROCKWORK | CKKOORRW | natural mass of rocks [n -S]                                       |

## S 8s - Earth (geology, oceanography, meteorology)

|          |          |   |
|----------|----------|---|
| SANDSPIT | ADINPSST | small point of land created by sand dunes [n -S]      |
| SANIDINE | ADEIINNS | glassy variety of feldspar [n -S]                     |
| SAPONITE | AEINOPST | mineral found in veins and cavities of rocks [n -S]   |
| SARDONYX | ADNORSXY | variety of quartz [n -ES]                             |
| SASTRUGA | AAGRSSTU | ridge of snow formed by wind in polar regions [n -GI] |
| SATURANT | AANRSTTU | substance used to saturate [n -S]                     |
| SAVANNAH | AAAHNNSV | savanna (flat, treeless grassland) [n -S]             |
| SCABLAND | AABCDLNS | rocky land with little soil cover [n -S]              |
| SCHLIERE | CEEHILRS | small streak in igneous rock [n -N]                   |
| SCIROCCO | CCCIOORS | sirocco (hot, dry wind) [n -S]                        |
| SEABOARD | AABDEORS | seacoast (land bordering on sea) [n -S]               |
| SEACOAST | AACEOSST | land bordering on sea [n -S]                          |
| SEAMOUNT | AEMNOSTU | undersea mountain [n -S]                              |
| SEASHORE | AEEHORSS | land bordering on sea [n -S]                          |
| SEISMISM | EIIMSSSS | natural activity involved in earthquakes [n -S]       |
| SELENITE | EEEILNST | variety of gypsum [n -S]                              |





# Down to a Science - Earth

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|          |          |   |
|----------|----------|---|
| SEMIARID | ADEIIMRS | characterized by light rainfall [adj]   |
| SEPTARIA | AAEIPRST | limestone nodules [n]   |
| SHALIEST | AEHILSST | SHALY, resembling shale (fissile rock) [adj] / SHALEY [adj]                     |
| SIDERITE | DEEIIRST | mineral [n -S]  |
| SIEROZEM | EEIMORSZ | type of soil [n -S]   |
| SILURIAN | AIILNRSU | of or pertaining to certain geologic time period [adj]                          |
| SINKHOLE | EHIKLNOS | natural depression in land surface [n -S]                                       |
| SKERRIES | EEIKRRSS | SKERRY, small, rocky island [n]   |
| SKYSCAPE | ACEKPSSY | view of sky [n -S]  |
| SKYWARDS | ADKRSSWY | skyward (toward sky) [adv]  |
| SLATCHES | ACEHLSST | SLATCH, calm between breaking waves [n]   |
| SLEETIER | EEEILRST | SLEETY, resembling sleet [adj]  |
| SLEETING | EEGILNST | SLEET, to shower sleet (frozen rain) [v]  |
| SMALTINE | AEILMNST | smaltite (mineral) [n -S]   |
| SMALTITE | AEILMSTT | mineral [n -S]  |
| SMECTITE | CEEIMSTT | clayey mineral [n -S]   |
| SMOGGIER | EGGIMORS | SMOGGY, filled with smog [adj]  |
| SMOGLESS | EGLMOSSS | SMOG, atmospheric mixture of smoke and fog [adj]                                |
| SNOWBELT | BELNOSTW | region that receives appreciable amount of snow each year [n -S]                |
| SNOWFALL | AFLLNOSW | fall of snow [n -S]   |
| SNOWIEST | EINOSSTW | SNOWY, abounding in snow [adj]  |
| SNOWLAND | ADLNNOSW | area marked by great amount of snow [n -S]                                      |
| SNOWLESS | ELNOSSSW | having no snow [adj]  |
| SNOWLIKE | EIKLNOSW | resembling snow [adj]   |
| SNOWMELT | ELMNOSTW | water produced by melting of snow [n -S]  |
| SNOWPACK | ACKNOPSW | accumulation of packed snow [n -S]  |
| SODALITE | ADEILOST | mineral [n -S]  |
| SOLANINE | AEILNNOS | poisonous alkaloid [n -S]   |
| SOLONETS | ELNOOSST | solonetz (type of soil) [n -ES]   |
| SOLONETZ | ELNOOSTZ | type of soil [n -ES]  |
| SOLSTICE | CEILOSST | time of year when sun is at its greatest distance from celestial equator [n -S] |
| SOUPIEST | EIOPSSTU | SOUPY, foggy (filled with fog) [adj]  |
| SPALLING | AGILLNPS | chip of stone or ore [n -S]   |
| SPARRIER | AEIPRRRS | SPARRY, resembling spar (lustrous mineral) [adj]                                |
| SPEISSES | EEIPSSSS | SPEISS, metallic mixture obtained in smelting certain ores [n]                  |
| SPINELLE | EEILLNPS | spinel (mineral) [n -S]   |
| SPODOSOL | DLOOOPSS | acidic forest soil [n -S]   |
| STEATITE | AEEISTTT | variety of talc [n -S]  |
| STIBNITE | BEIINSTT | ore of antimony [n -S]  |
| STILBITE | BEIILSTT | mineral [n -S]  |
| STOPBANK | ABKNOPST | embankment along river [n -s]   |
| STORMIER | EIMORRST | STORMY, storming [adj]  |
| STORMILY | ILMORSTY | STORMY, storming [adv]  |
| STORMING | GIMNORST | STORM, to blow violently [v]  |
| STREAMED | ADEEMRST | STREAM, to flow in steady current [v]   |
| SUBBASIN | ABBINSSU | section of area drained by river [n SUBBASINS]                                  |
| SUBHUMID | BDHIMSUU | somewhat humid [adj]  |



# Down to a Science - Earth

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|          |          |   |
|----------|----------|---|
| SUBOCEAN | ABCENOSU | existing below floor of ocean [adj]                               |
| SUBPOLAR | ABLOPRSU | situated just outside polar circles [adj]                         |
| SULTRIER | EILRRSTU | SULTRY, very hot and humid [adj]                                  |
| SULTRILY | ILLRSTUY | SULTRY, very hot and humid [adv]                                  |
| SUMMERED | DEEMRSU  | SUMMER, to pass summer (warmest season of year) [v]               |
| SUMMERLY | ELMRSUY  | summery (characteristic of summer) [adj]                          |
| SUNBAKED | ABDEKNSU | baked by sun [adj]  |
| SUNLIGHT | GHILNSTU | light of sun [n -S]   |
| SUNSHINE | EHINSSU  | light of sun [n -S]   |
| SUNSHINY | HINSSUY  | SUNSHINE, light of sun [adj]                                      |
| SUNSTONE | ENNOSSTU | variety of quartz [n -S]  |
| SUPERNAL | AELNPRSU | pertaining to sky [adj]   |
| SURFIEST | EFIRSSTU | SURFY, abounding in breaking waves [adj]                          |
| SURFLIKE | EFIKLSRU | resembling breaking waves [adj]                                   |
| SURFSIDE | DEFIRSSU | situated near seashore [adj]                                      |
| SWAMPIER | AEIMPRSW | SWAMPY, marshy (resembling marsh (tract of low, wet land)) [adj]  |
| SWAMPING | AGIMNPSW | SWAMP, to inundate (to overwhelm with water) [v]                  |
| SWAMPISH | AHIMPSSW | swampy (marshy (resembling marsh (tract of low, wet land))) [adj] |
| SYENITIC | CEIINSTY | SYENITE, igneous rock [adj]                                       |
| SYLVATIC | ACILSTVY | pertaining to forest [adj]  |
| SYNCLINE | CEILNNSY | type of rock formation [n -S]                                     |

## T 8s - Earth (geology, oceanography, meteorology)

|          |           |  |
|----------|-----------|--|
| TACONITE | ACEINOTT  | low-grade iron ore [n -S]                              |
| TENORITE | EEINORTT  | mineral [n -S]   |
| TEPHRITE | EEHIPRTT  | volcanic rock [n -S]                                   |
| TERRASES | AEERRSST  | TERRAS, trass (volcanic rock) [n]                      |
| THUNDERY | DEHNRTUY  | accompanied with thunder [adj]                         |
| TIDELAND | ADDEILNT  | land alternately covered and uncovered by tide [n -S]  |
| TIDELESS | DEEILSST  | lacking tide [adj]                                     |
| TIDELIKE | DEEIIKLT  | resembling tide [adj]                                  |
| TIDELINE | DEEIIILNT | line on shore marking highest point of tide [n -S]     |
| TIDEMARK | ADEIKMRT  | mark showing highest or lowest point of tide [n -S]    |
| TIGEREYE | EEEGIRTY  | gemstone (precious stone) [n -S]                       |
| TINSTONE | EINNOSTT  | tin ore [n -S]   |
| TITANITE | AEIINTTT  | mineral [n -S]   |
| TOPAZINE | AEINOPTZ  | TOPAZ, mineral [adj]                                   |
| TORNADIC | ACDINORT  | TORNADO, violent windstorm [adj]                       |
| TRACHYTE | ACEHRTTY  | light-colored igneous rock [n -S]                      |
| TRAPPEAN | AAENPPRT  | pertaining to traprock (igneous rock) [adj]            |
| TRAPPOSE | AEOPPRST  | trappean (pertaining to traprock (igneous rock)) [adj] |
| TRAPPOUS | AOPPRSTU  | trappean (pertaining to traprock (igneous rock)) [adj] |
| TRAPROCK | ACKOPRRT  | igneous rock [n -S]                                    |
| TRIASSIC | ACIIRSST  | of or pertaining to certain geologic time period [adj] |
| TRICHITE | CEHIIRTT  | minute mineral body found in volcanic rocks [n -S]     |
| TRIPLITE | EIILPRTT  | mineral [n -S]   |
| TROILITE | EIILORTT  | mineral [n -S]   |
| TSUNAMIC | ACIMNSTU  | TSUNAMI, very large ocean wave [adj]                   |



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|  |          |   |
|--|----------|---|
| TYPHONIC   | CHINOPTY | TYPHOON, tropical hurricane [adj]                       |
| <b>U 8s - Earth (geology, oceanography, meteorology)</b> |          |   |
| UDOMETER   | DEEMORTU | rain gauge [n -S]                                       |
| UDOMETRY   | DEMORTUY | measurement of rain [n -RIES]                           |
| UINTAITE   | AEIINTTU | variety of asphalt [n -S]                               |
| UMANGITE   | AEGIMNTU | mineral consisting of copper selenide [n -S]            |
| UNCLOUDY   | CDLNOUUY | CLOUDY, overcast with clouds [adj]                      |
| UNDERSET   | DEENRSTU | current below surface of ocean [n -S] / [v -S, -TTING]  |
| UNDERTOW   | DENORTUW | seaward pull of receding waves breaking on shore [n -S] |
| UPDOMING   | DGIMNOPU | upward deformation of rock mass into dome shape [n -S]  |
| UPSTREAM   | AEMPRSTU | toward source of stream [adv]                           |
| URALITIC   | ACIILRTU | URALITE, mineral [adj]                                  |
| URANITIC   | ACIINRTU | URANITE, mineral [adj]                                  |

## **V 8s - Earth (geology, oceanography, meteorology)**

|          |          |  |
|----------|----------|--|
| VALLEYED | ADEELLVY | VALLEY, depression of earth's surface [adj]  |
| VAPORING | AGINOPRV | VAPOR, to emit vapor (visible floating moisture) [v]   |
| VAPOURED | ADEOPRUV | VAPOUR, to vapor (to emit vapor (visible floating moisture)) [v]                                       |
| VAPOURER | AEOPRRUV | vaporer (one that vapors (to emit vapor (visible floating moisture))) [n -S]                           |
| VERNALLY | AELLNRVY | VERNAL, pertaining to spring [adv]   |
| VERTISOL | EILORSTV | type of clayey soil [n -S]   |
| VESUVIAN | AEINSUVV | mineral [n -S]   |
| VOLCANIC | ACCILNOV | rock produced by volcano [n -S]  |
| VORTEXES | EEORSTVX | VORTEX, whirling mass of fluid [n]   |
| VORTICAL | ACILORTV | VORTEX, whirling mass of fluid [adj]   |
| VORTICES | CEIORSTV | VORTEX, whirling mass of fluid [n]   |
| VULCANIC | ACCILNUV | pertaining to volcano (opening in earth's crust through which molten rock and gases are ejected) [adj] |

## **W 8s - Earth (geology, oceanography, meteorology)**

|          |          |  |
|----------|----------|--|
| WAVELESS | AEELSSVW | having no waves (moving ridges on surface of liquid) [adj] |
| WAVELIKE | AEEIKLVW | resembling wave [adj]                                      |
| WAVINESS | AEINSSVW | state of being wavy (having waves) [n -ES]                 |
| WELLHEAD | ADEEHLW  | source of spring or stream [n -S]                          |
| WELLSITE | EEILLSTW | mineral [n -S]   |
| WESTERLY | EELRSTWY | wind from west [n -LIES]                                   |
| WHITEOUT | EHIOTTUW | arctic weather condition [n -S]                            |
| WILDLAND | ADDILLNW | uncultivated land [n -S]                                   |
| WILDWOOD | DDILOOWW | natural forest land [n -S]                                 |
| WILLIWAW | AIILLUWW | williwaw (violent gust of cold wind) [n -S]                |
| WILLIWAW | AIILLWWW | violent gust of cold wind [n -S]                           |
| WILLYWAW | AILLWWWY | williwaw (violent gust of cold wind) [n -S]                |
| WINDFLAW | ADFILNWW | gust of wind [n -S]  |
| WINDLESS | DEILNSSW | being without wind [adj]                                   |
| WINDLOAD | ADDILNOW | force exerted by wind on structure [n -S]                  |
| WINDPACK | ACDIKNPW | snow that has been compacted by wind [n -S]                |
| WINDSLAB | ABDILNSW | crust formed on soft snow by wind [n -S]                   |
| WINDWARD | ADDINRWW | direction from which wind blows [n -S]                     |
| WINTERED | DEEINRTW | WINTER, to pass winter (coldest season of year) [v]        |
| WINTERLY | EILNRTWY | wintry (characteristic of winter) [adj]                    |



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|          |          |  |
|----------|----------|--|
| WINTRILY | IILNRTWY | WINTRY, characteristic of winter [adv] |
| WOODLAND | ADDLNOOW | land covered with trees [n -S]         |
| WOODSIER | DEIOORSW | WOODSY, suggestive of forest [adj]     |
| WURTZITE | EIRTTUWZ | mineral [n -S]                         |

## **X 8s - Earth (geology, oceanography, meteorology)**

|          |          |   |
|----------|----------|---|
| XENOLITH | EHILNOTX | rock fragment included in another rock [n -S] |
| XENOTIME | EEIMNOTX | yellowish-brown mineral [n -S]                |

## **Y 8s - Earth (geology, oceanography, meteorology)**

## **Z 8s - Earth (geology, oceanography, meteorology)**

|          |          |  |
|----------|----------|--|
| ZASTRUGA | AAGRSTUZ | sastruga (ridge of snow formed by wind in polar regions) [n -GI] |
| ZEOLITIC | CEILOTZ  | ZEOLITE, mineral [adj]   |