



Down to a Science - Life

8-letter bingos on **SCIENCE - LIFE** (biology, genetics, ecology) go down on your board – See Body Language, Animals, Plants, Science lists
compiled by Jacob Cohen, Asheville Scrabble Club

A 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|--|
| AEQUORIN | AEINOQRU | protein secreted by jellyfish [n -S] |
| AEROBIUM | ABEIMORU | aerobe (organism that requires oxygen to live) [n -IA] |
| AGENESIS | AEEGINSS | absence or imperfect development of bodily part [n -SES] |
| AGENETIC | ACEEGINT | AGENESIS, absence or imperfect development of bodily part [adj] |
| ALBUMOSE | ABELMOSU | proteose (water-soluble protein) [n -S] |
| ALDOLASE | AADELLOS | enzyme (complex protein) [n -S] |
| ALEURONE | AEELNORU | protein matter found in seeds of certain plants [n -S] |
| ANAEROBE | AABEENOR | organism that does not require oxygen to live [n -S] |
| ANAPHASE | AAAEHNPS | stage of mitosis [n -S] |
| ANTIGENE | AEEGINNT | antigen (substance that stimulates production of antibodies) [n -S] |
| ARGINASE | AAEGINRS | enzyme (complex protein) [n -S] |
| ARGININE | AEGIINNR | amino acid [n -S] |
| AUTOGENY | AEGNOTUY | production of living organisms from inanimate matter [n -NIES] |
| AUTOLYSE | AELOSTUY | to autolyze (to break down tissue by action of self-contained enzymes) [v -D, -SING, -S] |
| AUTOLYZE | AELOTUYZ | to break down tissue by action of self-contained enzymes [v -D, -ZING, -S] |

B 8s - Life (biology, genetics, ecology)

| | | |
|----------|-----------|---|
| BASOPHIL | ABHILOPS | type of cell [n -S] |
| BAUXITIC | ABCIIITUX | BAUXITE, ore of aluminum [adj] |
| BIOCIDAL | ABCDIILO | BIOCIDE, substance destructive to living organisms [adj] |
| BIOCYCLE | BCCEILOY | life-supporting region [n -S] |
| BIOETHIC | BCEHIIOT | pertaining to ethical questions arising from advances in biology [adj] |
| BIOGASES | ABEGIOSS | BIOGAS, fuel gas produced by organic waste [n] |
| BIOLOGIC | BCGIILOO | drug obtained from organic source [n -S] |
| BIOLYSIS | BIILOSSY | death (end of life) [n -SES] |
| BIOLYTIC | BCIILOTY | BIOLYSIS, death (end of life) [adj] |
| BIOMETER | BEEIMORT | device for measuring carbon dioxide given off by living matter [n -S] |
| BIOMETRY | BEIMORTY | statistical study of biological data [n -RIES] |
| BIONOMIC | BCIIMNOO | BIONOMY, ecology (environmental science) [adj] |
| BIOPLASM | ABILMOPS | living matter [n -S] |
| BIOSOLID | BDIILLOS | solid organic matter obtained from treated sewage [n -S] |
| BIOTICAL | ABCIILOT | biotic (pertaining to life (quality that distinguishes animals and plants from inanimate matter)) [adj] |
| BIOTITIC | BCIIIOTT | BIOTITE, form of mica [adj] |
| BIOTOXIN | BIINOOTX | poison made by plant or animal [n -S] |
| BIOTYPIC | BCIIIOPTY | BIOTYPE, group of genetically similar organisms [adj] |
| BIOWASTE | ABEIOSTW | waste composed chiefly of organic matter [n -S] |
| BLASTEMA | AABELMST | region of embryonic cells [n -S or -TA] |
| BOMBESIN | BBEIMNOS | combination of amino acids [n -S] |
| BORACITE | ABCEIORT | mineral [n -S] |
| BOTANIES | ABEINOST | BOTANY, science of plants [n] |
| BOTANISE | ABEINOST | to botanize (to study plants) [v -D, -SING, -S] |
| BOTANIST | ABINOSTT | one skilled in botany [n -S] |
| BOTANIZE | ABEINOTZ | to study plants [v -D, -ZING, -S] |
| BOULDERY | BDELORUY | characterized by large rocks [adj] |
| BROMELIN | BEILMNOR | enzyme (complex protein) [n -S] |
| BRUCELLA | ABCELLRU | any of genus of harmful bacteria [n -S or -E] |

C 8s - Life (biology, genetics, ecology)



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| | | |
|----------|----------|--|
| CAPSOMER | ACEMOPRS | protein forming capsid [n -S] |
| CHYMOSIN | CHIMNOSY | rennin (enzyme (complex protein)) [n -S] |
| COENZYME | CEEMNOYZ | substance necessary for functioning of certain enzymes [n -S] |
| COFACTOR | ACCFOORT | coenzyme (substance necessary for functioning of certain enzymes) [n -S] |
| COLICINE | CCEIILNO | colicin (antibacterial substance) [n -S] |
| COLLAGEN | ACEGLLNO | protein (nitrogenous organic compound) [n -S] |
| CONODONT | CDNNOOOT | fossil (remains of animal or plant preserved in earth's crust) [n -S] |
| COTININE | CEIINNOT | alkaloid produced by nicotine in body [n -S] |
| CYNODONT | CDNNOOTY | type of fossil reptile [n -S] |
| CYSTEINE | CEEINSTY | amino acid [n -S] |
| CYASTER | ACERSTTY | structure formed in cell during mitosis [n -S] |
| CYTIDINE | CDEIINTY | compound containing cytosine [n -S] |
| CYTOGENY | CEGNOTYY | formation of cells [n -NIES] |
| CYTOLOGY | CGLOOTYY | study of cells [n -GIES] |

D 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|---|
| DAIDZEIN | ADDEIINZ | chemical found chiefly in soybeans [n -S] |
| DENDRITE | DDEEINRT | branched part of nerve cell [n -S] |
| DENDROID | DDDEINOR | fossil marine invertebrate [n -S] |
| DIASTASE | AADEISST | enzyme (complex protein) [n -S] |
| DIHYBRID | BDDHIIRY | offspring of parents differing in two pairs of genes [n -S] |
| DIOPTASE | ADEIOPST | mineral [n -S] |
| DOMINANT | ADIMNNOT | controlling genetic character [n -S] |

E 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|--|
| ECOCIDAL | ACCDEILO | ECOCIDE, destruction of natural environment [adj] |
| ECOFREAK | ACEEFKOR | zealous environmentalist [n -S] |
| ECOLOGIC | CCEGILOO | ECOLOGY, environmental science [adj] |
| ECOTONAL | ACELNOOT | ECOTONE, type of ecological zone [adj] |
| ECOTYPIC | CCEIOPTY | ECOTYPE, subspecies adapted to specific environmental conditions [adj] |
| ECTOGENE | CEEEGNOT | gene involved in development of embryo in artificial conditions [n -S] |
| ECTOMERE | CEEEMORT | cell that develops into ectoderm [n -S] |
| EKISTICS | CEIIKSST | science dealing with human habitats [n] |
| ELASTASE | AAEELSST | enzyme (complex protein) [n -S] |
| EMBOLIES | BEEILMOS | EMBOLY, phase of embryonic growth [n] |
| EMBRYOID | BDEIMORY | mass of tissue that resembles embryo [n -S] |
| ENDOSARC | ACDENORS | portion of cell [n -S] |
| ENDOSOME | DEEMNOOS | cellular particle [n -S] |
| EPIMERIC | CEEIIMPR | EPIMER, type of sugar compound [adj] |
| EPISOMAL | AEILMOPS | EPISOME, genetic determinant [adj] |
| EPISTASY | AEIPSSTY | suppression of genetic effect [n -SIES] |
| ESTERASE | AEERSST | type of enzyme (complex protein) [n -S] |
| EUGENICS | CEEGINSU | science of hereditary improvement [n] |
| EUPHENIC | CEEHINPU | dealing with biological improvement [adj] |
| EXOCYTIC | CCEIOTXY | pertaining to cellular excretion [adj] |

F 8s - Life (biology, genetics, ecology)

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|----------|----------|--|
| FERREOUS | EEFORRSU | containing iron [adj] |
| FERRITIN | EFIINRRT | protein that contains iron [n -S] |
| FORESTRY | EFORRSTY | science of planting and managing forests [n -RIES] |



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| | | |
|---|----------|---|
| FUMARASE | AAEFMRSU | enzyme (complex protein) [n -S] |
| G 8s - Life (biology, genetics, ecology) | | |
| GANGLION | AGGILNNO | group of nerve cells [n -S or -IA] |
| GANZFELD | ADEFGLNZ | technique of controlled sensory input used in parapsychology [n -S] |
| GENETICS | CEEGINST | science of heredity [n] |
| GENOTYPE | EEGNOPTY | genetic constitution of organism [n -S] |
| GEOTAXIS | AEGIOSTX | movement of organism in response to gravity [n -XES] |
| GLIADINE | ADEGIILN | gliadin (simple protein) [n -S] |
| GLOBULIN | BGILLNOU | simple protein [n -S] |
| GLUTELIN | EGILLNTU | any of group of proteins occurring in cereal grains [n -S] |
| GLUTENIN | EGILNNTU | protein of cereal grains that gives adhesiveness to bread dough [n -S] |
| GLYCOSYL | CGLLOSYY | radical derived from glucose [n -S] |
| GONIDIAL | ADGIILNO | GONIDIUM, asexual reproductive cell [adj] |
| GONIDIUM | DGIIMNOU | asexual reproductive cell [n -IA] |
| GONOCYTE | CEGNOOTY | cell that produces gametes [n -S] |
| H 8s - Life (biology, genetics, ecology) | | |
| HEREDITY | DEEHIRTY | genetic transmission of characteristics [n -TIES] |
| HISTAMIN | AHIIMNST | amine released in allergic reactions [n -S] |
| HISTIDIN | DHIIINST | amino acid [n -S] |
| HOLOGAMY | AGHLMOOY | state of having gametes of same size and form as other cells [n -MIES] |
| HOLOGYNY | GHLNOOYY | trait transmitted solely in female line [n -NIES] |
| HOMEOTIC | CEHIMOOT | being gene producing shift in development [adj] |
| HYALOGEN | AEGHLNOY | substance found in animal cells [n -S] |
| HYGIENIC | CEGHIINY | HYGIENE, science of health [adj] |
| I 8s - Life (biology, genetics, ecology) | | |
| INTEGRIN | EGIINNRT | class of animal proteins [n -S] |
| INTRONIC | CIINNORT | INTRON, intervening sequence in genetic code [adj] |
| INVERTIN | EIINNRTV | enzyme (complex protein) [n -S] |
| ISOGENIC | CEGIINOS | genetically similar [adj] |
| ISOZYMIC | CIIMOSYZ | ISOZYME, type of enzyme (complex protein) [adj] |
| J 8s - Life (biology, genetics, ecology) | | |
| K 8s - Life (biology, genetics, ecology) | | |
| L 8s - Life (biology, genetics, ecology) | | |
| LECITHIN | CEHIILNT | any of group of fatty substances found in plant and animal tissues [n -S] |
| LEWISITE | EEIILSTW | vesicant liquid [n -S] |
| LIPOCYTE | CEILOPTY | fat-producing cell [n -X] |
| LIPOIDAL | ADIILLOP | LIPOID, lipid (any of class of fatty substances) [adj] |
| LYSOSOME | ELMOOSSY | saclike part of cell [n -S] |
| LYSOZYME | ELMOSYYZ | enzyme (complex protein) [n -S] |
| M 8s - Life (biology, genetics, ecology) | | |
| MESOSOME | EEMMOOSS | specialized cellular part [n -S] |
| MISSENSE | EEIMNSSS | form of genetic mutation [n -S] |
| MONELLIN | EILLMNNO | protein extracted from West African red berry [n -S] |
| MUCINOID | CDIIMNOU | MUCIN, protein secreted by mucous membranes [adj] |
| MUCINOUS | CIMNOSUU | MUCIN, protein secreted by mucous membranes [adj] |
| MUCOIDAL | ACDILMOU | MUCOID, complex protein [adj] |
| MYCOLOGY | CGLMOOYY | branch of botany dealing with fungi [n -GIES] |



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N 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|--|
| NEOMORPH | EHMNOOPR | type of biological structure [n -S] |
| NUCLEASE | ACEELNSU | enzyme (complex protein) [n -S] |
| NUCLEOID | CDEILNOU | DNA-containing area of certain cells [n -] |

O 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|---|
| OECOLOGY | CEGLOOOY | ecology (environmental science) [n -GIES] |
| OINOLOGY | GILNOOOY | oenology (study of wines) [n -GIES] |
| OXYPHILE | EHILOPHY | organism that thrives in relatively acid environment [n -S] |

P 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|---|
| PEPTONIC | CEINOPPT | PEPTONE, protein compound [adj] |
| PHARMING | AGHIMNPR | production of pharmaceuticals from genetically altered plants or animals [n -S] |
| PHYLESIS | EHILPSSY | course of evolutionary development [n -ES or -SES] |
| PHYLETIC | CEHILPTY | PHYLESIS, course of evolutionary development [adj] |
| POLYGENE | EEGLNOPY | type of gene (hereditary unit) [n -S] |
| POLYSOME | ELMOOPSY | cluster of protein particles [n -S] |
| PROLAMIN | AILMNOPR | simple protein [n -S] |
| PROPHASE | AEHOPPRS | first stage in mitosis [n -S] |
| PROTAMIN | AIMNOPRT | simple protein [n -S] |
| PROTEASE | AEEOPRST | enzyme (complex protein) [n -S] |
| PROTEIDE | DEEIOPRT | proteid (protein (nitrogenous organic compound)) [n -S] |
| PROTEOME | EEMOOPRT | complement of proteins expressed by genome [n -S] |
| PROTEOSE | EEOOPRST | water-soluble protein [n -S] |
| PROTOZOA | AOOOPRTZ | unicellular microscopic organisms [n] |
| PTOMAIN | AEIMNOPT | compound produced by decomposition of protein [n -S] |
| PYCNOSIS | CINOPSSY | pyknosis (shrinking and thickening of cell nucleus) [n -SES] |
| PYKNOSIS | IKNOPSSY | shrinking and thickening of cell nucleus [n -SES] |
| PYRENOID | DEINOPRY | protein body of certain lower organisms [n -S] |

Q 8s - Life (biology, genetics, ecology)

R 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|--|
| RETINITE | EIIINRTT | fossil resin [n -S] |
| RIBOSOME | BEIMOORS | particle composed of protein and ribonucleic acid [n -S] |
| RIBOZYME | BEIMORYZ | molecule of RNA that functions as enzyme [n -S] |

S 8s - Life (biology, genetics, ecology)

| | | |
|----------|-----------|---|
| SALINITY | AIIILNSTY | concentration of salt [n -TIES] |
| SAPONINE | AEINNOPS | saponin (soapy substance obtained from plants) [n -S] |
| SAPROBIC | ABCIOPRS | SAPROBE, organism that derives its nourishment from decaying organic matter [adj] |
| SEROLOGY | EGLOORSY | science of serums [n -GIES] |
| SITOLOGY | GILOOSTY | science of nutrition and diet [n -GIES] |
| STEARINE | AEEINRST | stearin (solid portion of fat) [n -S] |
| SUBVIRUS | BIRSSUUV | viral protein smaller than virus [n -S] |
| SYMBIONT | BIMNOSTY | organism living in close association with another [n -S] |
| SYMBIOTE | BEIMOSTY | symbiont (organism living in close association with another) [n -S] |
| SYNCYTIA | ACINSTYY | masses of protoplasm resulting from cell fusion [n] |
| SYNGENIC | CEGINNSY | relating to or being genetically identical individuals with respect to reaction to antigens [adj] |
| SYNKARYA | AAKNRSYY | cell nuclei formed by fusion of two preexisting nuclei [n] |
| SYNTHASE | AEHNSSTY | enzyme that acts as catalyst in linking two molecules [n -S] |

T 8s - Life (biology, genetics, ecology)



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| | | |
|----------|----------|---|
| THROMBIN | BHIMNORT | enzyme (complex protein) [n -S] |
| THYROXIN | HINORTXY | amino acid [n -S] |
| TRIPLOID | DIILOPRT | cell having chromosome number that is three times basic number [n -S] |
| TYROSINE | EINORSTY | amino acid [n -S] |

U 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|--|
| UNLETHAL | AEHLLNTU | LETHAL, death-causing genetic defect [adj] |
|----------|----------|--|

V 8s - Life (biology, genetics, ecology)

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| VITELLIN | EIILLNTV | protein found in egg yolk [n -S] |
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W 8s - Life (biology, genetics, ecology)

X 8s - Life (biology, genetics, ecology)

Y 8s - Life (biology, genetics, ecology)

Z 8s - Life (biology, genetics, ecology)

| | | |
|----------|----------|---|
| ZYMOGRAM | AGMMORYZ | record of separated proteins after electrophoresis [n -S] |
| ZYMOLOGY | GLMOOYYZ | science of fermentation [n -S] |