



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 **(updated to NASPA Word List 2018)**

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]
BIOPASM	ABILMOPS	living matter [n -S]
BIOSOLID	BDIILOOS	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	BCIIOPTY	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]
CAVEOLAR	AACELORV	caveola (small pit in cell) [adj]
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	CEIISST	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	AEEERSST	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)

FERREOUS	EEFORRSU	containing iron [adj]
FERRITIN	EFIINRRT	protein that contains iron [n -S]



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FORESTRY EFORRSTY science of planting and managing forests [n -RIES]
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)

HANGRIER AEGHINRR HANGRY, hungry to point of irritability [adj]
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)

IMIPENEM EEIIMMNP antibacterial [n -S]
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]



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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]

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	EHILOPXY	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]
PYCNOTIS	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	AIILNSTY	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]



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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)		
THEANINE	AEEHINNT	beneficial amino acid [n -S]
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)		
UNCLONED	CDELNNOU	not made by cloning [adj]
UNLETHAL	AEHLLNTU	LETHAL, death-causing genetic defect [adj]
V 8s - Life (biology, genetics, ecology)		
VITELLIN	EIILLNTV	protein found in egg yolk [n -S]
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]