



Down to a Science - Life

8-letter bingos on **SCIENCE - LIFE (biology, genetics, ecology)** go down on your board — See also **Body,, 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]
ALLOTYPE	AELLOPTY	type of antibody (body protein that produces immunity against certain microorganisms or toxins) [n -S]
AMOEOBID	ABDEIMOO	AMOEBIA, unicellular microscopic organism [adj]
AMPHIBIA	AABHIIMP	organisms adapted for life both on land and in water [n AMPHIBIA]
AMPHIOXI	AHIIMOPX	lancelets (small marine organism) [n AMPHIOXI]
ANAEROBE	AABEENOR	organism that does not require oxygen to live [n -S]
ANAPHASE	AAAEHNPS	stage of mitosis [n -S]
ANATOMIC	AACIMNOT	ANATOMY, structure of organism [adj]
ANIMALIC	AACIILMN	ANIMAL, living organism typically capable of voluntary motion and sensation [adj]
ANTIBODY	ABDINOTY	body protein that produces immunity against certain microorganisms or toxins [n -DIES]
ANTIBODY	ABDINOTY	protein that produces immunity against certain microorganisms or toxins) [n -DIES]
ANTIDOTE	ADEINOTT	to counteract effect of poison with remedy [v -D, -TING, -S]
ANTIGENE	AEEGINNT	antigen (substance that stimulates production of antibodies) [n -S]
ANTILIFE	AEFIILNT	opposed to life [adj]
ANTIMERE	AEEIMNRT	part of organism symmetrical with part on opposite side of main axis [n -S]
ANTIPIILL	AIILLNPT	opposed to use of contraceptive pills [adj]
ANTIPYIC	ACIINPTY	medicine that prevents formation of pus [n -S]
ANTISERA	AAEINRST	serums that contain certain antibodies [n]
APOMIXIS	AIIMOPXS	type of reproductive process [n -XES]
AOSPORRY	AOOPRSY	type of reproduction without spore formation [n -RIES]
APOTHECE	ACEEHOPT	spore-producing organ of certain fungi [n -S]
ARCHAEAL	AAACEHLR	ARCHAEA, ARCHAEON, archaean (microorganism of the archaea) [adj]
ARCHAEAN	AAACEHNR	microorganism of archaea [n -S]
ARCHAEON	AACEHNOR	archaean (microorganism of archaea) [n -EA]
ARGINASE	AAEGINRS	enzyme (complex protein) [n -S]
ASTOMOUS	AMOOSSTU	having no stomata (minute opening in epidermis of plant organ) [adj]
AUTECISM	ACEIMSTU	development of entire life cycle of parasitic fungus on single host [n -S]
AUTOGAMY	AAGMOTUY	fertilization of flower by its own pollen [n -MIES]
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]
AVIANIZE	AAEIINVZ	to make less severe by repeated culture in chick embryo, as a virus [v -D, -ZING, -S]
AXOPLASM	AALMOPXS	protoplasm of axon (central process of neuron) [n -S]

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

BACTERIA	AABCEIRT	group of microscopic organisms [n -S]
BASOPHIL	ABHILOPS	type of cell [n -S]
BAUXITIC	ABCIITUX	BAUXITE, ore of aluminum [adj]
BEDSONIA	ABDEINOS	virus (any of class of submicroscopic pathogens) [n -S]
BIOCIDAL	ABCDIILO	BIOCIDE, substance destructive to living organisms [adj]



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BIOCLEAN	ABCEILNO	free of harmful organisms [adj]
BIOCYCLE	BCCEILO	life-supporting region [n -S]
BIOETHIC	BCEHIOT	pertaining to ethical questions arising from advances in biology [adj]
BIOGASES	ABEGIOSS	BIOGAS, fuel gas produced by organic waste [n]
BIOGENIC	BCEGIINO	produced by living organisms [adj]
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]
BIOMORPH	BHIMOOPR	art form resembling living organism in shape [n -S]
BIONOMIC	BCIIMNOO	BIONOMY, ecology (environmental science) [adj]
BIOPLASM	ABILMOPS	living matter [n -S]
BIOSOLID	BDIILOO	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]
BIOTOXIN	BIINOOTX	poison made by plant or animal [n -S]
BIOTYPIC	BCIIOPTY	BIOTYPE, group of genetically similar organisms [adj]
BIOVULAR	ABILORUV	derived from two ova [adj]
BIOWASTE	ABEIOSTW	waste composed chiefly of organic matter [n -S]
BIPAROUS	ABIOPRSU	producing offspring in pairs [adj]
BIRTHING	BGHIINRT	BIRTH, to originate [v]
BISEXUAL	ABEILSUX	one who is attracted to both sexes [n -S]
BLASTEMA	AABELMST	region of embryonic cells [n -S or -TA]
BLASTULA	AABLLSTU	early embryo [n -E, -S]
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]
BRANCHIA	AABCHINR	respiratory organ of aquatic animals [n -E]
BREEDING	BDEEGINR	BREED, to cause to give birth [v]
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)

CAPSOMER	ACEMOPRS	protein forming capsid [n -S]
CAVEOLAR	AACELORV	caveola (small pit in cell) [adj]
CHYMOSIN	CHIMNOSY	rennin (enzyme (complex protein)) [n -S]
CLONALLY	ACLILLNOY	CLON, group of asexually derived organisms [adv]
COENZYME	CEEMNOYZ	substance necessary for functioning of certain enzymes [n -S]
COFACTOR	ACCFOORT	coenzyme (substance necessary for functioning of certain enzymes) [n -S]
COINFECT	CCEFINOT	to infect with two organisms [v -ED, -ING, -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]



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COTININE	CEIINNOT	alkaloid produced by nicotine in body [n -S]
CYNODONT	CDNNOOTY	type of fossil reptile [n -S]
CYSTEINE	CEEINSTY	amino acid [n -S]
CYTASTER	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]
ENDOZOIC	CDEINOOZ	involving passage through animal [adj]
EPIMERIC	CEEIIMPR	EPIMER, type of sugar compound [adj]
EPISOMAL	AEILMOPS	EPISOME, genetic determinant [adj]
EPISTASY	AEIPSSTY	suppression of genetic effect [n -SIES]
EPIZOITE	EEIIOPTZ	epizoic organism [n -S]
ESTERASE	AAEERSST	type of enzyme (complex protein) [n -S]
EUGENICS	CEEGINSU	science of hereditary improvement [n]
EUPHENIC	CEEHINPU	dealing with biological improvement [adj]
EUROKIES	EEIKORSU	EUROKY, ability of organism to live under variable conditions [n]
EUROKOUS	EKOORSUU	EUROKY, ability of organism to live under variable conditions [adj]
EURYBATH	ABEHRTUY	organism that can live in wide range of water depths [n -S]
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]
FOETUSES	EEFOSSTU	FOETUS, fetus (unborn organism carried within womb in later stages of its development) [n]
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)		
GAMODEME	ADEEGMMO	somewhat isolated breeding community of organisms [n -S]
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	EENOPTY	genetic constitution of organism [n -S]
GEOTAXIS	AEGIOSTX	movement of organism in response to gravity [n -XES]
GERMLIKE	EEGIKLMR	resembling germ (microorganism that causes disease) [adj]
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)

LANCELET	ACEELLNT	small marine organism [n -S]
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]
LIPOSOME	EILMOOPS	microscopic globule composed of lipids [n -S]
LYSOSOME	ELMOOSSY	saclike part of cell [n -S]
LYSOZYME	ELMOSYYZ	enzyme (complex protein) [n -S]

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



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MESOSOME	EEMMOOSS	specialized cellular part [n -S]
MESOZOAN	AEMNOOSZ	any of phylum of wormlike organisms [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]

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]
ONTOGENY	EGNNOOTY	development of individual organism [n -NIES]
ORGANISM	AGIMNORS	any form of animal or plant life [n -S]
OXYPHILE	EHILOPXY	organism that thrives in relatively acid environment [n -S]

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

PARASITE	AAEIPRST	organism that lives and feeds on or in another organism [n -S]
PATHOGEN	AEGHNOPT	any disease-producing organism [n -S]
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]
POXVIRUS	IOPRSUVX	type of virus (any of class of submicroscopic pathogens) [n -ES]
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)

REOVIRUS	EIORRSUV	type of virus (any of class of submicroscopic pathogens) [n -ES]
RETINITE	EEIINRTT	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]



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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]
SCHIZONT	CHINOSTZ	organism that reproduces by form of asexual reproduction [n -S]
SEMIOSIS	EIIMOSSS	process in which something functions as sign to organism [n -SES]
SEROLOGY	EGLOORSY	science of serums [n -GIES]
SEROTYPE	EEOPRSTY	to classify (microorganisms) according to characteristic set of antigens [v -D, -PING, -S]
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]
SUPERSEX	EEPRSSUX	type of sterile organism [n -ES]
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)

THEANINE	AEEHINNT	beneficial amino acid [n -S]
THROMBIN	BHIMNORT	enzyme (complex protein) [n -S]
THYROXIN	HINORTXY	amino acid [n -S]
TISSULAR	AILRSSTU	affecting organism's tissue (structural material) [adj]
TRIPLOID	DIILOPRT	cell having chromosome number that is three times basic number [n -S]
TRISOMIC	CIIMORST	trisome (organism having one chromosome in addition to usual diploid 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]
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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)

ZOOECIUM	CEIMOOUZ	sac secreted and lived in by aquatic organism [n -IA]
ZYMOGRAM	AGMMORYZ	record of separated proteins after electrophoresis [n -S]
ZYMOLOGY	GLMOOYYZ	science of fermentation [n -S]