

Pearson Edexcel · International A-Level · Biology

Glossary · every term in the course, A–Z

English

abiotic

/æbrɪ'ɒtɪk/

absolute uncertainty

/'æbsəlu:t ən'sɜ:tənti/

absorption spectrum

/əb'sɔ:pʃn 'spektrəm/

acrosome

/'ækroʊsəʊm/

actin

/'æktɪn/

action spectrum

/'ækʃn 'spektrəm/

active

/'æktɪv/

active site

/'æktɪv saɪt/

Active transport

/'æktɪv 'trænsपोर्ट/

ADH

/,eɪ di: 'etʃ/

Adrenaline

/ə'drenəlɪn/

all-or-nothing

allele frequency

/ə'li:l 'fri:kwənsi/

allopatric

/,ælə'pætrɪk/

amylopectin

/'æmɪləʊpktɪn/

amylose

/'æmɪləʊs/

anomalous result

antibodies

/'æntɪbɒdɪz/

English

Anticoagulants

anticodons

antigens

/ˈæntɪdʒenz/

Antihypertensives

aseptic technique

/æˈseptɪk tekˈniːk/

Atherosclerosis

Atrial systole

Auxin

/ˈɔːksɪn/

B memory cells

B

bactericidal

Bacteriostatic

bar chart

/bɑː tʃɑːt/

Bioinformatics

blastocyst

Blood pressure

Bohr effect

Bowman's capsule

/ˈbəʊmənz ˈkæpsjuːl/

calcium

/ˈkælsɪəm/

capsid

/ˈkæpsɪd/

capsule

cell wall

/sel wɔːl/

Cellular

English

cerebellum

/ˌserɪˈbeləm/

cerebral hemispheres

climax community

/'klaɪmæks kə'mju:nɪti/

collecting duct

/kəˈlektɪŋ dʌkt/

colorimeter

/ˌkʌlə'rɪmɪtə/

community

/kə'mju:nɪti/

Competitive inhibitors

Condensation

/kɒndən'seɪʃn/

confounders

control treatment

control variable

/kən'trəʊl 'veəriəbl/

cooperative binding

Correlation is not causation.

corridors

cortical reaction

critical value

/'krɪtɪkl 'vælju:/

Crossing over

/'krɒsɪŋ 'əʊvə/

cytokinesis

/ˌsaɪtəkə'ni:sɪs/

deaminated

death

degenerate

/dɪ'dʒenəreɪt/

deletion

/dɪ'li:ʃn/

English

dendrochronology

dependent variable

/dɪˈpendənt ˈveəriəbl/

Diastole

/ˈdaɪəstəʊl/

differential gene expression

/ˌdɪfəˈrenʃl dʒiːn ekˈspreʃn/

Diffusion

/dɪˈfjuːʒn/

dilution plating

diploid

/ˈdɪplɔɪd/

dipole

/ˈdaɪpəʊl/

directional selection

/daɪˈrekʃənəl sɪˈleɪʃn/

DNA polymerase

DNA

/ˌdiː en ˈeɪ ˌpɒlɪməˈreɪz/

dopamine

/ˈdɒpəmiːn/

double fertilisation

ecosystem

/ˈiːkəʊsɪstəm/

egg

endemic

/enˈdemɪk/

endothelium

enhanced greenhouse effect

enzyme

/ˈenzaim/

Epigenetics

error bars

ester bonds

Ethics

/ˈeθɪks/

English

eukaryotic

/ju:kəri'ɒtɪk/

Facilitated diffusion

/fə'sɪlɪteɪtɪd dɪ'fju:ʒn/

fibrin

/'fɪbrɪn/

fibrinogen

/'fɪbrɪnədʒn/

flagellum

/flə'dʒeləm/

fluid mosaic model

/'flu:ɪd mə'seɪk 'mɒdl/

frameshift

/'freɪmʃɪft/

Gel electrophoresis

/dʒel ɪˌlektərəʊfo:'ri:sis/

Genetic screening

/dʒɪ'netɪk 'skri:nɪŋ/

gibberellins

global warming potential

glycogen

/'glʌɪkədʒn/

Glycolysis

/glʌɪ'kɒləsɪs/

glycosidic bond

/ˌglʌɪkə'sɪdɪk bɒnd/

gradient

/'ɡreɪdɪənt/

graticule

Gross primary productivity

habitat

/'hæbɪtæt/

Habituation

/ˌhæbɪtʃu:'eɪʃn/

haploid

/'hæplɔɪd/

Hardy–Weinberg equation

—

English

herd immunity

/hɜːd ɪ'mjuːnɪti/

heterozygosity index

HIV

/ˌeɪtʃ aɪ 'viː/

Homeostasis

/ˌhəʊmiːə'staːsɪz/

Humoral

hydrogen bonds

/'haɪdrədʒn bɒndz/

Hydrolysis

/haɪ'drɒləsɪs/

hypothalamus

/ˌhaɪpəv'θælæməs/

hypothesis

/haɪ'pɒθəsɪs/

Independent assortment

/ˌɪndɪ'pendənt ə'sɔːtmənt/

independent variable

/ˌɪndɪ'pendənt 'veəriəbl/

Index of diversity

induced-fit

insertion

/ɪn'sɜːʃn/

insulin

/'ɪnsjuːlɪn/

Krebs cycle

/kreɪbz 'saɪkl/

lactate

/'læktet/

lag

ligament

ligase

/'lɪgeɪs/

light-dependent reactions

English

light-independent reactions

Limiting factors

/ˈlɪmɪtɪŋ ˈfæktəz/

line graph

Link reaction

/lɪŋk rɪˈækʃn/

log

loop of Henle

/luːp ɒv ˈhenl/

magnesium

/mæɡˈniːziəm/

Magnification

/ˌmæɡnɪfɪˈkeɪʃn/

magnification

/ˌmæɡnɪfɪˈkeɪʃn/

mass transport

medulla oblongata

Meiosis

/meɪˈəʊsɪs/

methylation

Microarrays

microfibrils

minute ventilation

Mitosis

/maɪˈtəʊsɪs/

mitotic index

/maɪˈtɒtɪk ˈɪndeks/

mononucleotide

mRNA

Mutations

/mjuːˈteɪʃnz/

Mycobacterium tuberculosis

English

myelinated

myofibrils

myogenic

myosin

/ˈmaɪəsin/

Negative feedback

/ˈnegətɪv ˈfiːdbæk/

nephron

/ˈnefrɒn/

net primary productivity

niche

/niːʃ/

nitrate

/ˈnaɪtreɪt/

nociceptors

non-competitive inhibitors

non-overlapping

Null hypothesis

/nʌl haɪˈpɒθəsis/

organ systems

/ˈɔːgən ˈsɪstəmz/

organs

/ˈɔːgənz/

Osmosis

/ɒzˈməʊsɪs/

Oxidative phosphorylation

/ˈɒksɪdətɪv ˌfɒsfəːrɪˈleɪʃn/

oxygen debt

/ˈɒksɪdʒn det/

passive

/ˈpæsɪv/

peptide bond

/ˈpeptɪd bɒnd/

Percentage uncertainty

/pəˈsentɪdʒ ʌnˈsɜːtənti/

English

Phloem

/ˈfləʊɪm/

phosphodiester bonds

photophosphorylate

Phytochrome

pituitary

plaque

plasmid

/ˈplæzmid/

plasmodesmata

/ˌplæzməd'smɑ:tə/

pluripotent

polar solvent

polygenic

/ˌpɒli'dʒenɪk/

polymerase chain reaction

/ˌpɒlɪmə'reɪz tʃeɪn rɪ'ækʃn/

population

/ˌpɒpjʊ'leɪʃn/

positive feedback

/ˈpɒzɪtɪv 'fɪ:dbæk/

post-transcriptional modification

primary structure

/ˈpraɪməri 'strʌktʃə/

profile

prokaryotic

/ˌprɒkəri'ɒtɪk/

prothrombin

proximal convoluted tubule

/ˈprɒksɪml ˌkɒnvə'lu:tɪd 'tju:bjʊ:l/

quaternary

/kwə'tɜ:nəri/

English

Recombinant DNA

/ˌriːˈkɒmbɪnənt ˌdiː en ˈeɪ/

redox indicator

reflex arc

/ˈriːfleks ɑːk/

refractory period

/rɪˈfræktəri ˈpɪəriəd/

resolution

/ˌrezəˈluːʃn/

Respiratory quotient

/rɪˈspɪrətəri ˈkwɒʃənt/

restriction enzyme

ribosome

/ˈriːbəʊsəʊm/

rigor mortis

risk factors

/rɪsk ˈfæktəz/

saltatory conduction

/ˈsɒltətəri kənˈdʌkʃn/

Saturated

/ˈsætʃəreɪtɪd/

secondary

/ˈsekəndəri/

seed banks

/siːd bæŋks/

semi-conservative

/ˈsemi kənˈsɜːvətɪv/

semi-quantitative

/ˈsemi ˈkwɒntɪtətɪv/

Significant figures

/sɪɡˈnɪfɪkənt ˈfɪɡəz/

sino-atrial node

sodium-potassium pump

Speciation

/ˌspiːʃiˈeɪʃn/

Species richness

/ˈspiːsiːz ˈrɪtʃnəs/

English

sperm

/spɜ:m/

stabilising selection

/'steɪbəlaɪzɪŋ sɪ'leɪʃn/

standard deviation

/'stændəd ,di:vɪ'eɪʃn/

Statins

/'stætɪnz/

stationary

/'steɪʃənəri/

sticky ends

/'stɪki endz/

stroma

/'strəʊmə/

substitution

/,sʌbstɪ'tju:ʃn/

Succession

/sæk'seɪʃn/

sympatric

synapse

/'sɪnæps/

systematic error

/,sɪstə'mætɪk 'erə/

T killer cells

T

t-test

t

/ti: test/

tendon

/'tendn/

tertiary

/'tɜ:ʃjəri/

three-domain system

threshold

/'θreʃəʊld/

thrombin

thromboplastin

thylakoid

/'θaɪləkɔɪd/

English

tissues

/ˈtɪʃuːz/

totipotent

transcription factor

/trænˈskripʃn ˈfæktə/

triglyceride

/ˈtrɪglɪsəraɪd/

triplet

/ˈtrɪplɪt/

tRNA

turbidity

/tɜːˈbɪdɪti/

uncertainties

Unsaturated

/ʌnˈsætʃəreɪtɪd/

urea

/juːˈriə/

variable region

/ˈveəriəbl ˈriːdʒn/

Ventricular systole

water potential

/ˈwɔːtə pəˈtenʃl/

Xylem

/ˈzaɪləm/

zona pellucida
