

FAST TALK

AP / IB BIOLOGY — EVOLUTION

54 double-sided cards · every card verified to have 2+ valid answers

HOW TO PLAY

1. Draw a card and read the CLUE side aloud — a category with many answers.
2. Flip the card to reveal the FORMAT — the twist that narrows it down.
3. Race to shout an answer that fits BOTH sides. First correct answer wins the card. Most cards at the end wins the game.

Example: “A molecule transported across a membrane” + “A 3-letter answer”
→ CO₂! Same clue with “Includes the letter E” → glucose.

HOW TO PRINT & CUT

- Print double-sided, flipping on the LONG edge (the usual default).
- Back pages are pre-mirrored so fronts and backs line up after cutting.
- Print ONE test sheet first and hold it to the light to check alignment.
- Cut along the grey guide lines — 9 cards per sheet.

HOUSE RULES & VARIATIONS

- Letter counts ignore spaces and count numbers (CO₂ = 3).
- Justify it: the winner must explain why their answer fits both sides.
- No repeats: an answer used once is dead for the rest of the game.
- Steal: a wrong answer passes the card to the other team.

The answer key for every card in this deck is at the back of this file.

**A 9-letter
answer**

**Includes the
letter A**

**Includes the
letter L**

**Ends in –sis,
–tion, or –sion**

**A multi-word
answer**

**More than 6
letters**

**Includes the
letter T**

**Starts with a
consonant**

**A 8-letter
answer**

**A word from the
topic of
population
genetics**

**A mechanism
that changes
allele
frequencies**

**Something
Darwin
observed or
proposed**

**An adaptation
that helps an
organism
survive**

**A word from the
topic of fossils
and extinction**

**Something
Darwin
observed or
proposed**

**A word from the
topic of
population
genetics**

**A word
describing an
organism's role
or fit**

**A pattern of
evolutionary
change**

**A 7-letter
answer**

**Includes the
letter G**

**A 11-letter
answer**

**Includes the
letter S**

**Includes the
letter R**

**Includes the
letter C**

**Ends in the
letter N**

**Includes the
letter I**

**A 12-letter
answer**

**Something that
could act as a
selective
pressure**

**A structure
showing shared
ancestry**

**A taxonomic
rank**

**A way to
compare
species
relatedness**

**A cause of
genetic drift**

**Something that
could act as a
selective
pressure**

**Evidence used
to support
evolution**

**Something
Darwin
observed or
proposed**

**A mechanism
that changes
allele
frequencies**

**More than 8
letters**

**Includes the
letter P**

**More than 10
letters**

**More than 6
letters**

**A 7-letter
answer**

**Exactly two
words**

**Ends in the
letter E**

**Includes the
letter U**

**Includes the
letter H**

**A type of
natural
selection**

**A rapid,
observable
example of
evolution**

**A word from the
topic of
speciation**

**A barrier that
keeps species
separate**

**Something that
could act as a
selective
pressure**

**A pattern of
evolutionary
change**

**An adaptation
that helps an
organism
survive**

**A type of
natural
selection**

**A word from the
topic of
phylogenetic
trees**

**A 10-letter
answer**

**Includes the
letter G**

**More than 10
letters**

**Ends in the
letter N**

**Includes the
letter N**

**Ends in –sis,
–tion, or –sion**

**A multi-word
answer**

**Exactly two
words**

**Includes the
letter H**

**A cause of
genetic drift**

**Evidence used
to support
evolution**

**An adaptation
that helps an
organism
survive**

**A mechanism
that changes
allele
frequencies**

**A barrier that
keeps species
separate**

**A word from the
topic of fossils
and extinction**

**A rapid,
observable
example of
evolution**

**A rapid,
observable
example of
evolution**

**A type of
natural
selection**

**Includes the
letter P**

**Ends in the
letter S**

**Includes the
letter D**

**Ends in the
letter E**

**Includes the
letter E**

**Starts with a
vowel**

**Includes the
letter O**

A single word

**Starts with a
vowel**

**A pattern of
evolutionary
change**

**A taxonomic
rank**

**A word from the
topic of
speciation**

**Evidence used
to support
evolution**

**A word
describing an
organism's role
or fit**

**A structure
showing shared
ancestry**

**A word from the
topic of
speciation**

**A word from the
topic of fossils
and extinction**

**A cause of
genetic drift**

**Includes the
letter M**

**A 5-letter
answer**

**Includes the
letter S**

**Includes the
letter A**

**Includes the
letter N**

**Includes the
letter C**

A single word

**More than 8
letters**

**A 11-letter
answer**

**A barrier that
keeps species
separate**

**A taxonomic
rank**

**A way to
compare
species
relatedness**

**A word from the
topic of
phylogenetic
trees**

**A structure
showing shared
ancestry**

**A word
describing an
organism's role
or fit**

**A way to
compare
species
relatedness**

**A word from the
topic of
population
genetics**

**A word from the
topic of
phylogenetic
trees**

EVOLUTION

Answer key — page 1 of 6 — answers satisfy BOTH the clue and the format

Something Darwin observed or proposed

+ A 9-letter answer

→ variation, Galapagos

A mechanism that changes allele frequencies

+ Includes the letter A

→ natural selection, mutation, sexual selection

A word from the topic of population genetics

+ Includes the letter L

→ gene pool, allele frequency, Hardy-Weinberg equilibrium, gene flow

Something Darwin observed or proposed

+ Ends in -sis, -tion, or -sion

→ natural selection, descent with modification, variation

A word from the topic of fossils and extinction

+ A multi-word answer

→ mass extinction, transitional fossil, relative dating, fossil record

An adaptation that helps an organism survive

+ More than 6 letters

→ camouflage, mimicry, thick fur, sharp claws, bright warning colours, long beak

A pattern of evolutionary change

+ Includes the letter T

→ convergent evolution, divergent evolution, coevolution, adaptive radiation, punctuated equilibrium

A word describing an organism's role or fit

+ Starts with a consonant

→ fitness, niche, specialist, generalist, selective advantage

A word from the topic of population genetics

+ A 8-letter answer

→ gene pool, gene flow, fixation

A taxonomic rank

+ A 7-letter answer

→ kingdom, species

EVOLUTION

Answer key — page 2 of 6 — answers satisfy BOTH the clue and the format

A structure showing shared ancestry

+ Includes the letter G

→ homologous structure, vestigial structure

Something that could act as a selective pressure

+ A 11-letter answer

→ competition, habitat loss

Something that could act as a selective pressure

+ Includes the letter S

→ disease, food scarcity, habitat loss

A cause of genetic drift

+ Includes the letter R

→ founder effect, natural disaster, random mating

A way to compare species relatedness

+ Includes the letter C

→ DNA sequence, amino acid sequence, cytochrome c, cladogram, phylogenetic tree, molecular clock

A mechanism that changes allele frequencies

+ Ends in the letter N

→ natural selection, mutation, sexual selection

Something Darwin observed or proposed

+ Includes the letter I

→ natural selection, finch, descent with modification, survival of the fittest, variation

Evidence used to support evolution

+ A 12-letter answer

→ fossil record, biogeography

A word from the topic of speciation

+ More than 8 letters

→ speciation, allopatric speciation, sympatric speciation, reproductive isolation, adaptive radiati...

A rapid, observable example of evolution

+ Includes the letter P

→ pesticide resistance, peppered moth

EVOLUTION

Answer key — page 3 of 6 — answers satisfy BOTH the clue and the format

A type of natural selection

+ **More than 10 letters**

→ directional selection, stabilising selection, disruptive selection, sexual selection, artificial ...

A pattern of evolutionary change

+ **More than 6 letters**

→ convergent evolution, divergent evolution, coevolution, adaptive radiation, gradualism, punctuate...

Something that could act as a selective pressure

+ **A 7-letter answer**

→ climate, disease

A barrier that keeps species separate

+ **Exactly two words**

→ geographic barrier, behavioural isolation, temporal isolation, mechanical isolation, hybrid sterility

A word from the topic of phylogenetic trees

+ **Ends in the letter E**

→ clade, node, lineage

A type of natural selection

+ **Includes the letter U**

→ disruptive selection, sexual selection

An adaptation that helps an organism survive

+ **Includes the letter H**

→ thick fur, sharp claws, bright warning colours

An adaptation that helps an organism survive

+ **A 10-letter answer**

→ camouflage, sharp claws

Evidence used to support evolution

+ **Includes the letter G**

→ homologous structure, vestigial structure, embryology, biogeography, analogous structure

A cause of genetic drift

+ **More than 10 letters**

→ bottleneck effect, founder effect, natural disaster, small population, chance event, random mating

EVOLUTION

Answer key — page 4 of 6 — answers satisfy BOTH the clue and the format

A word from the topic of fossils and extinction

+ Ends in the letter N

→ extinction, mass extinction

A barrier that keeps species separate

+ Includes the letter N

→ behavioural isolation, temporal isolation, mechanical isolation, habitat isolation

A mechanism that changes allele frequencies

+ Ends in -sis, -tion, or -sion

→ natural selection, mutation, sexual selection

A type of natural selection

+ A multi-word answer

→ directional selection, stabilising selection, disruptive selection, sexual selection, artificial ...

A rapid, observable example of evolution

+ Exactly two words

→ antibiotic resistance, pesticide resistance, peppered moth, Darwin's finches, drug resistance

A rapid, observable example of evolution

+ Includes the letter H

→ peppered moth, Darwin's finches

A word from the topic of speciation

+ Includes the letter P

→ speciation, allopatric speciation, sympatric speciation, reproductive isolation, adaptive radiation

A taxonomic rank

+ Ends in the letter S

→ class, genus, species

A pattern of evolutionary change

+ Includes the letter D

→ divergent evolution, adaptive radiation, gradualism, punctuated equilibrium

A structure showing shared ancestry

+ Ends in the letter E

→ homologous structure, vestigial structure, tailbone

EVOLUTION

Answer key — page 5 of 6 — answers satisfy BOTH the clue and the format

A word describing an organism's role or fit

+ Includes the letter E

→ fitness, niche, specialist, generalist, selective advantage

Evidence used to support evolution

+ Starts with a vowel

→ embryology, analogous structure

A cause of genetic drift

+ Includes the letter O

→ bottleneck effect, founder effect, small population, random mating

A word from the topic of fossils and extinction

+ A single word

→ fossil, extinction

A word from the topic of speciation

+ Starts with a vowel

→ allopatric speciation, adaptive radiation

A way to compare species relatedness

+ Includes the letter M

→ amino acid sequence, cytochrome c, cladogram, molecular clock

A taxonomic rank

+ A 5-letter answer

→ class, order, genus

A barrier that keeps species separate

+ Includes the letter S

→ behavioural isolation, temporal isolation, mechanical isolation, hybrid sterility, habitat isolation...

A word describing an organism's role or fit

+ Includes the letter A

→ adaptation, specialist, generalist, selective advantage

A structure showing shared ancestry

+ Includes the letter N

→ pentadactyl limb, tailbone, appendix

EVOLUTION

Answer key — page 6 of 6 — answers satisfy BOTH the clue and the format

A word from the topic of phylogenetic trees

+ Includes the letter C

→ clade, common ancestor, branch point

A word from the topic of phylogenetic trees

+ A single word

→ clade, node, outgroup, lineage

A word from the topic of population genetics

+ More than 8 letters

→ allele frequency, Hardy-Weinberg equilibrium, genetic drift, genetic variation

A way to compare species relatedness

+ A 11-letter answer

→ DNA sequence, cytochrome c