

FAST TALK

AP / IB BIOLOGY — CELL BIOLOGY

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.

**Fewer than 7
letters**

**Fewer than 5
letters**

**A 7-letter
answer**

**Includes the
letter M**

**Includes the
letter U**

**Ends in the
letter N**

**Includes the
letter N**

**Includes the
letter P**

**Ends in –sis,
–tion, or –sion**

**Something a
prokaryotic cell
has**

**Something that
can damage a
cell or its
proteins**

**Something
involved in
making or
processing
proteins**

**A way
substances
move into or
out of a cell**

**An organelle
found in a
eukaryotic cell**

**A word from the
topic of
osmosis and
water balance**

**Something
found in an
animal cell but
not a plant cell**

**A part of the
endomembrane
system**

**Something that
can damage a
cell or its
proteins**

**Ends in the
letter E**

**A multi-word
answer**

**A 5-letter
answer**

**Includes the
letter H**

A single word

**More than 8
letters**

**Includes the
letter N**

**More than 10
letters**

**Includes the
letter O**

**Something that
can damage a
cell or its
proteins**

**Something
visible in a
dividing cell**

**An organelle
surrounded by
a membrane**

**Something
found in an
animal cell but
not a plant cell**

**An organelle
surrounded by
a membrane**

**An organelle
found in a
eukaryotic cell**

**Something
found in a plant
cell but not an
animal cell**

**A phase or
checkpoint of
the cell cycle**

**Something
visible in a
dividing cell**

**More than 8
letters**

**Includes the
letter E**

**Includes the
letter A**

**Includes the
letter T**

**Starts with a
consonant**

**Fewer than 7
letters**

**Includes the
letter E**

**Starts with a
consonant**

**Includes the
letter L**

**A structure
used for cell
movement or
communication**

**An organelle
surrounded by
a membrane**

**A part of the
endomembrane
system**

**A molecule or
structure
involved in
photosynthesis**

**A phase or
checkpoint of
the cell cycle**

**A structure
used for cell
movement or
communication**

**Something
found in a plant
cell but not an
animal cell**

**Something
visible in a
dividing cell**

**Something a
prokaryotic cell
has**

**Includes the
letter S**

**Includes the
letter I**

**A 11-letter
answer**

**More than 6
letters**

**A 11-letter
answer**

**Includes the
letter T**

**Includes the
letter D**

**Includes the
letter P**

**A 9-letter
answer**

**A molecule or
structure
involved in
photosynthesis**

**A component of
the cell
membrane**

**A component of
the cell
membrane**

**A way
substances
move into or
out of a cell**

**Something
found in an
animal cell but
not a plant cell**

**A stage of
mitosis**

**Something a
prokaryotic cell
has**

**A component of
the cell
membrane**

**A molecule that
is transported
across a
membrane**

**Exactly two
words**

**Includes the
letter G**

**Includes the
letter R**

**Includes the
letter I**

**A 9-letter
answer**

**More than 10
letters**

**Ends in the
letter N**

**Starts with a
vowel**

**Exactly two
words**

**A word from the
topic of
osmosis and
water balance**

**Something
involved in
making or
processing
proteins**

**A word from the
topic of
osmosis and
water balance**

**Something
found in a plant
cell but not an
animal cell**

**A molecule that
is transported
across a
membrane**

**A molecule or
structure
involved in
photosynthesis**

**A part of the
endomembrane
system**

**A molecule or
structure
involved in
cellular
respiration**

**A structure
used for cell
movement or
communication**

**Includes the
letter M**

**Includes the
letter R**

**A 6-letter
answer**

**A 8-letter
answer**

**Ends in the
letter S**

**Fewer than 5
letters**

**Includes the
letter A**

**Includes the
letter C**

**A 3-letter
answer**

A molecule or structure involved in cellular respiration

A molecule that is transported across a membrane

An organelle found in a eukaryotic cell

Something involved in making or processing proteins

A phase or checkpoint of the cell cycle

A stage of mitosis

A molecule or structure involved in cellular respiration

A way substances move into or out of a cell

A stage of mitosis

CELL BIOLOGY

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

Something involved in making or processing proteins

+ Fewer than 7 letters

→ mRNA, tRNA

Something that can damage a cell or its proteins

+ Fewer than 5 letters

→ heat, pH

Something a prokaryotic cell has

+ A 7-letter answer

→ plasmid, capsule

A word from the topic of osmosis and water balance

+ Includes the letter M

→ osmosis, plasmolysis

An organelle found in a eukaryotic cell

+ Includes the letter U

→ nucleus, vacuole, Golgi apparatus, endoplasmic reticulum, nucleolus

A way substances move into or out of a cell

+ Ends in the letter N

→ diffusion, facilitated diffusion

Something that can damage a cell or its proteins

+ Includes the letter N

→ radiation, toxin

A part of the endomembrane system

+ Includes the letter P

→ endoplasmic reticulum, Golgi apparatus, nuclear envelope

Something found in an animal cell but not a plant cell

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

→ tight junction, gap junction

An organelle surrounded by a membrane

+ Ends in the letter E

→ lysosome, vacuole, peroxisome

CELL BIOLOGY

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

Something visible in a dividing cell

+ A multi-word answer

→ spindle fibre, cleavage furrow, cell plate

Something that can damage a cell or its proteins

+ A 5-letter answer

→ toxin, virus

An organelle found in a eukaryotic cell

+ Includes the letter H

→ mitochondrion, chloroplast

An organelle surrounded by a membrane

+ A single word

→ nucleus, mitochondrion, chloroplast, lysosome, vacuole, peroxisome

Something found in an animal cell but not a plant cell

+ More than 8 letters

→ centriole, flagellum, cholesterol, tight junction, gap junction

Something visible in a dividing cell

+ Includes the letter N

→ spindle fibre, centrosome

A phase or checkpoint of the cell cycle

+ More than 10 letters

→ cytokinesis, G1 checkpoint

Something found in a plant cell but not an animal cell

+ Includes the letter O

→ chloroplast, large central vacuole, plasmodesma, chlorophyll

A part of the endomembrane system

+ More than 8 letters

→ endoplasmic reticulum, Golgi apparatus, nuclear envelope, cell membrane

An organelle surrounded by a membrane

+ Includes the letter E

→ nucleus, lysosome, vacuole, peroxisome, endoplasmic reticulum

CELL BIOLOGY

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

A structure used for cell movement or communication

+ Includes the letter A

→ flagellum, cilia, gap junction, plasmodesma

A structure used for cell movement or communication

+ Includes the letter T

→ gap junction, receptor, tight junction

A phase or checkpoint of the cell cycle

+ Starts with a consonant

→ mitosis, cytokinesis, S phase, G1 phase, G2 phase, G1 checkpoint, metaphase

A molecule or structure involved in photosynthesis

+ Fewer than 7 letters

→ stroma, CO₂, water, oxygen

Something a prokaryotic cell has

+ Includes the letter E

→ cell wall, cell membrane, ribosome, flagellum, nucleoid, capsule

Something visible in a dividing cell

+ Starts with a consonant

→ chromosome, spindle fibre, centrosome, cleavage furrow, cell plate, chromatid

Something found in a plant cell but not an animal cell

+ Includes the letter L

→ cell wall, chloroplast, large central vacuole, plasmodesma, chlorophyll

A component of the cell membrane

+ Includes the letter S

→ phospholipid, cholesterol

A component of the cell membrane

+ Includes the letter I

→ phospholipid, glycoprotein, channel protein, carrier protein, glycolipid

A molecule or structure involved in photosynthesis

+ A 11-letter answer

→ chloroplast, chlorophyll

CELL BIOLOGY

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

A stage of mitosis

+ More than 6 letters

→ prophase, metaphase, anaphase, telophase

Something found in an animal cell but not a plant cell

+ A 11-letter answer

→ cholesterol, gap junction

A way substances move into or out of a cell

+ Includes the letter T

→ facilitated diffusion, active transport, endocytosis, exocytosis, phagocytosis, pinocytosis

A molecule that is transported across a membrane

+ Includes the letter D

→ carbon dioxide, sodium ion, amino acid

A component of the cell membrane

+ Includes the letter P

→ phospholipid, glycoprotein, channel protein, carrier protein, receptor, glycolipid

Something a prokaryotic cell has

+ A 9-letter answer

→ flagellum, cytoplasm

A word from the topic of osmosis and water balance

+ Exactly two words

→ water potential, concentration gradient

Something involved in making or processing proteins

+ Includes the letter G

→ rough endoplasmic reticulum, Golgi apparatus

A word from the topic of osmosis and water balance

+ Includes the letter R

→ turgid, hypertonic, water potential, aquaporin, concentration gradient

A molecule or structure involved in photosynthesis

+ Includes the letter I

→ thylakoid, carbon dioxide

CELL BIOLOGY

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

A molecule that is transported across a membrane

+ **A 9-letter answer**

→ sodium ion, amino acid

Something found in a plant cell but not an animal cell

+ **More than 10 letters**

→ chloroplast, large central vacuole, plasmodesma, chlorophyll

A structure used for cell movement or communication

+ **Ends in the letter N**

→ gap junction, tight junction

A molecule or structure involved in cellular respiration

+ **Starts with a vowel**

→ oxygen, ATP, enzyme

A part of the endomembrane system

+ **Exactly two words**

→ endoplasmic reticulum, Golgi apparatus, nuclear envelope, cell membrane

An organelle found in a eukaryotic cell

+ **Includes the letter M**

→ mitochondrion, ribosome, lysosome, peroxisome, endoplasmic reticulum, centrosome

A molecule that is transported across a membrane

+ **Includes the letter R**

→ carbon dioxide, water, urea

A molecule or structure involved in cellular respiration

+ **A 6-letter answer**

→ oxygen, enzyme

A stage of mitosis

+ **A 8-letter answer**

→ prophase, anaphase

A phase or checkpoint of the cell cycle

+ **Ends in the letter S**

→ mitosis, cytokinesis

CELL BIOLOGY

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

Something involved in making or processing proteins

+ Fewer than 5 letters

→ mRNA, tRNA

A stage of mitosis

+ Includes the letter A

→ prophase, metaphase, anaphase, telophase

A way substances move into or out of a cell

+ Includes the letter C

→ facilitated diffusion, active transport, endocytosis, exocytosis, phagocytosis, pinocytosis

A molecule or structure involved in cellular respiration

+ A 3-letter answer

→ ATP, CO₂