

STATION 1

Cell Types

Which of the following best describes a cell that is prokaryotic?

- A. lacking chloroplasts
- B. lacking a nucleus
- C. containing a cell wall
- D. containing a nucleus

Q1

STATION 1

Cell Types

Which of the following is an example of a prokaryotic cell?

- E. plant
- F. animal
- G. bacteria
- H. fungus

Q2

STATION 1

Cell Types

If you wanted to look at a cell wall, which type of cell would you observe?

- J. nerve cell
- K. leaf cell
- L. blood cell
- M. skin cell

Q3

STATION 1

Cell Types

Which of the following is not a characteristic of a eukaryotic cell?

- R. complex
- S. protected DNA
- T. many organelles
- V. flagellum

Q4

STATION 2

Cell Structure

The majority of a cell's interior is comprised of-

- A. cytoplasm
- B. nuclei
- C. mitochondria
- D. ribosomes

Q1

STATION 2

Cell Structure

When looking at a cell model, the dots on the endoplasmic reticulum represent-

- A. golgi bodies
- B. ribosomes
- C. nuclei
- D. lysosomes

Q2

STATION 2

Cell Structure

Where is all the genetic material (DNA) stored in a cell?

- A. mitochondria
- B. ribosomes
- C. nucleus
- D. cell wall

Q3

STATION 2

Cell Structure

Which two structures are found only in plant cells?

- A. nucleus, chloroplast
- B. cell wall, cell membrane
- C. nucleus, cell membrane
- D. cell wall, chloroplast

Q4

STATION 3

Cell Function

Which organelle is the site where energy is made in an animal cell?

- A. golgi Bodies
- B. nucleus
- C. endoplasmic reticulum
- D. mitochondria

Q1

STATION 3

Cell Function

Which organelle is used for transportation?

- A. nucleus
- B. golgi bodies
- C. cell membrane
- D. endoplasmic reticulum

Q2

STATION 3

Cell Function

What organelle uses the energy of the sun to make food?

- A. cell membrane
- B. chloroplast
- C. golgi bodies
- D. mitochondria

Q3

STATION 3

Cell Function

What structure provides shape and support for the cell?

- A. chloroplast
- B. mitochondria
- C. cell wall
- D. golgi bodies

Q4

STATION 4

Cell Theory

The best tool to use when observing cells is a-

- A. hand lens
- B. microscope
- C. stereoscope
- D. mirror

Q1

STATION 4

Cell Theory

An advantage of using a cell model when studying cells is that cell models-

- E. show cell shape and tiny organelles found in the cell.
- F. show the distance between each organelle.
- G. demonstrate the function of cells.
- H. represent the actual size of the cells.

Q2

STATION 4

Cell Theory

All of the following statements support the cell theory except-

- J. The cell is the smallest level at which life exists.
- L. All cells contain a nucleus.
- M. All cells come from preexisting cells.
- N. Every living organism is comprised of at least one cell.

Q3

STATION 4

Cell Theory

Select the answer choice with increasing levels of organization.

- R. Tissue, Organ System, Organ, Population
- S. Cell, Tissue, Organelles, Organ System
- T. Cell, Tissue, Organ, Organ System
- V. Organ System, Organ, Cell, Tissue

Q4

STATION 5

Analogies

A student compares a cell to a train. Which part of the train is most similar to the mitochondria of the cell?

- A. the wheels
- B. the engineer
- C. the engine
- D. the boxcar

Q1

STATION 5

Analogies

A student compares a cell to a bank. Which cell organelle is most similar to a security guard?

- E. nucleus
- F. membrane
- G. ribosomes
- H. mitochondria

Q2

STATION 5

Analogies

A student compares a cell to a school. Which part of the school is most similar to the nucleus in the cell?

- J. cafeteria
- K. gymnasium
- L. students
- M. principal

Q3

STATION 5

Analogies

A student compares a cell to a city. Which organelle is related to a post office?

- R. mitochondria
- S. chloroplasts
- T. nucleus
- V. golgi bodies

Q4

EzPz Escape!



Toxic Cell Invasion



EzPz Escape CELLS

Your mission

A toxic cell has been injected into your body. Use your knowledge of cells to make an EzPz Escape and get the antidote! You must answer the questions at each station and record your answers on your student recording sheet. Use the decoder at the end of each station to get the secret code that will unlock the room, getting you closer to making an EzPz escape! Get the antidote before the toxic cells spread.

Good Luck!

STATION 1

Cell Types

Use the decoder to get the lock combination.

A	9	J	3
B	7	K	1
C	2	L	5
D	5	M	9
E	4	R	2
F	6	S	4
G	8	T	3
H	1	V	7

Enter the 4 digit code to open the lock to move to the next room.



STATION 2

Cell Structure

Use the decoder to get the lock combination.



Enter the 4 letter code to open the lock to move to the next room.



STATION 3

Cell Function

Use the decoder to get the lock combination.

Q4	↓	←	↑	→
Q3	←	→	↓	↑
Q2	→	↑	↓	←
Q1	↑	→	←	↓
	A	B	C	D

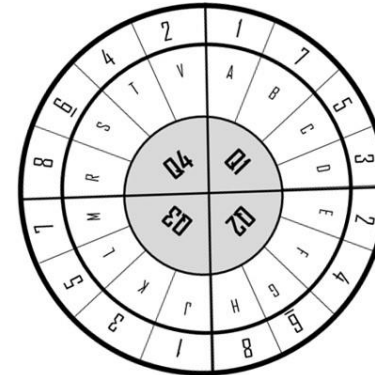
Enter the 4 direction code to open the lock to move to the next room.



STATION 4

Cell Theory

Use the decoder to get the lock combination.



Enter the 4 digit code to open the lock to move to the next room.



STATION 5

Analogies

Use the decoder to get the lock combination.



Enter the 4 digit code to open the lock to make an EzPz Escape!



CONGRATULATIONS!

You have made an

EzPz Escape!



Write the
verification code
on your student
recording sheet