



Week 3 / 2022 - Post-Lesson Quiz



Question 1

✓ 1/1 point



Which of the following is not a route by which some substances can enter or leave cells?

A

simple diffusion through the membrane

B

endocytosis/exocytosis

C

transport proteins

peripheral membrane proteins

You a swe



Question 2

✓ 1/1 point



Which statement is false?

A

Mitochondria generate chemical energy required for cells' biochemical reactions.

B

Chloroplasts fix carbon.

C

Some bacteria fix nitrogen.

The nucleoid is the genetic material of prokaryotes.

You a swe

E

Chromoplasts contain pigments.



Question 3

✓ 1/1 point



Which feature is present in both prokaryotic and eukaryotic cells?

A	cell wall
B	nucleus
C	endomembrane system
	DNA

You a swe



Question 4



1/1 point



You discover that the cells you are studying are actively producing large quantities of proteins. What else can we expect to find in abundance within these cells?

A	genes
	ribosomes
C	centrioles
D	mitochondria

You a swe



Question 5



1/1 point



Which of these features is common to mitochondria and chloroplasts?

A	always found in cells
B	chlorophyll
	DNA
D	grana

You a swe



Question 6



1/1 point



Which statement is true about the evolution of life?

- | | | |
|---|--|-----------|
| | Bacteria made conditions possible for the the evolution of aerobic organisms. | You a swe |
| B | There are no descendants of the dinosaurs | |
| C | Species rarely go extinct | |
| D | Fossil fuels are primarily made up of the dead carcasses of prehistoric animals. | |



Question 7

✓ 0.5/0.5 points



viruses are not considered alive because:

- | | | |
|---|-------------------------------------|-----------|
| A | they do not contain nucleic acids | |
| | they can not reproduce on their own | You a swe |
| C | they do not display order | |
| D | they do not evolve | |



Question 8

✓ 1/1 point



Which statement is false about the endoplasmic reticulum?

- | | | |
|---|--|-----------|
| A | It is part of the endomembrane system. | |
| B | It is is involved in the synthesis of protein. | |
| C | It is continuous with the nuclear envelop. | |
| D | It may be involved in the breakdown of lipids and carbohydrates. | |
| | Secretory vesicles transport products from ER to the exterior of the cell. | You a swe |



Question 9

✓ 1/1 point



Which of the following, In the Eurocentric view, is not a necessary conditions common to all living organisms

A

harness and utilize energy

have cell walls

You a swe

C

exhibit homeostasis

D

evolve

E

grow and develop



Question 10

✓ 1/1 point



Which cell component regulates the movement of molecules into and out of the cell?

A

the nucleus

B

the ribosomes

the plasma membrane

You a swe

D

the cytoplasm