



Week 4 2022: Post Lesson Quiz

✓ 10/10 points

Week 4: Post Lesson Quiz



Post Lecture Quiz - Q1

✓ 1/1 point



Which of the following distinguishes animal cells from plant cells?

A

Animal cells have mitochondria; plant cells have plastids.

B

Animal cells have a central vacuole; plant cells have a cell wall.

C

Animal cells have cell wall; plant cells have plastids.

☒

Animal cells lack a central vacuole; plant cells have a central vacuole.

You answered

E

Animal cells are able to grow, but plant cells can't because they have a cell wall.



Post Lecture Quiz-Q2

✓ 1/1 point



Which of the following statement is true about plant vascular tissues?

☒

Xylem transports water and minerals from the roots to the leaves, and phloem transports sugars and other organic molecules throughout the plant.

You answered

B

Xylem transports water and minerals throughout the plant, and phloem transports sugars and other organic molecules from roots to leaves.

C

Xylem transports water and minerals from the roots to the leaves, and phloem transports sugars and other organic molecules in the same direction.

D

The main function of the xylem is support, while the main function of phloem is the transport of water and solutes throughout the plant.

E

The vascular tissue of the stems is not connected to the vascular system of the leaves.



Post Lecture Quiz - Q3

✓ 1/1 point



Which statement is **false**?

	Secondary growth only happens in stems.	You a swe
B	A lateral meristem gives rise to wood.	
C	In a tree trunk the phloem is part of the bark.	
D	Bark is part of the dermal tissue system.	
E	Ground tissues have many functions such as photosynthesis and storage.	



Post Lecture Quiz - Q4

✓ 1/1 point



Match the term with its function

Your answer

Guard Cells	✓ Regulates gas exchange and water loss
Xylem	✓ Transports minerals
Bark	✓ Protects against pests
Sclerenchyma	✓ Lignified tissue of the ground tissue
Collenchyma	✓ Supports growing part of plant



Post Lecture Quiz - Q5

✓ 1/1 point



Which of the following is not connective tissue?

A	bone
B	blood

	muscle	You a swe
D	cartilage	
E	adipose tissue	



Post Lecture Quiz - Q6

✓ 1/1 point



The forelimbs of a mammals are multi-functional appendages. In some mammals they are adapted for running, flight, or burrowing. In light of this, which of the following is **NOT** true?

	Specialized adaptations for one function are a result of divergent evolution.	You a swe
B	Specialized adaptations for one function are due to environmental pressures	
C	Specialized adaptations for one function can occur in totally unrelated species	
D	Specialized adaptations for one function come at the expense of their ability to perform other functions.	



Post Lecture Quiz - Q7

✓ 1/1 point



Match the terms that are related

Your answer

connective tissue	✓ bone
blood	✓ platelets
endocrine	✓ hormones
gas exchange	✓ stoma
ground tissue system	✓ sclerenchyma
nervous system	✓ neuron

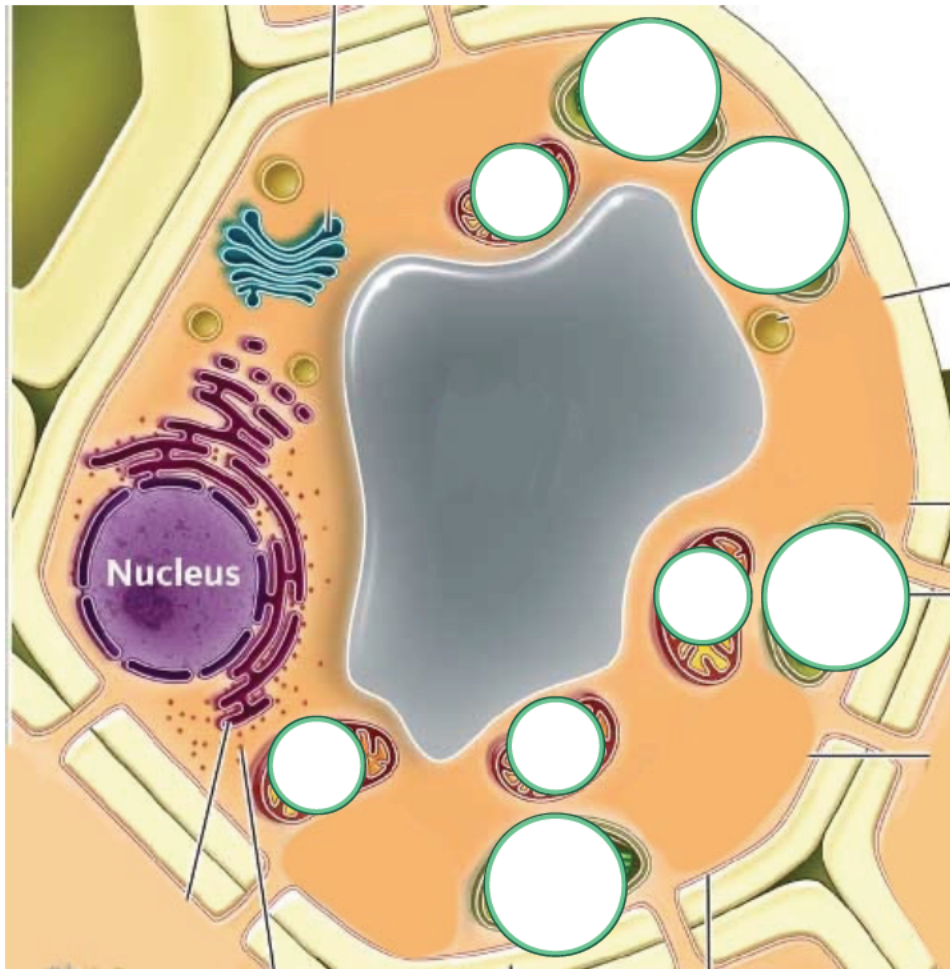


Post Lecture Quiz - Q8

✓ 1/1 point



Click on all structures in the cell able to generate ATP



8/8 targets placed



Post Lecture Quiz - Q9

✓ 1/1 point



Match the term on the left with the structures on the right

Your answer

tissue

✓ blood

organ

✓ heart

organ system

✓ circulatory system

organism

✓ vampire bat



Q10

✓ 1/1 point



Which statement is true about plants?

	A cedar tree has both primary and secondary growth.	You a swe
B	There is only one apical meristem in roots and stems.	
C	Water is absorbed from the soil through all parts of the root.	
D	All plant cells have cell walls made of cellulose and lignin.	
E	All plant cells have chloroplasts.	

Instructions here...