



Multiple Choice

Fill in the letter to show your answer.

1. What do cells and viruses have in common?

- (A) They both contain organelles.
- (B) They both reproduce.
- (C) They both carry out life activities like making and using food.
- (D) They both have cell membranes.

2. Which part of a cell produces the energy needed for cell activities?

- (A) cytoplasm
- (B) nucleus
- (C) mitochondrion
- (D) cell membrane

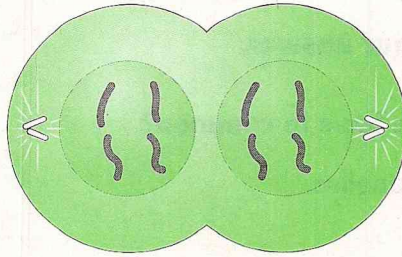
3. Which structure captures energy from sunlight?

- (A) mitochondrion
- (B) chloroplast
- (C) cell wall
- (D) ribosome

4. Which of the following statements is *not* true?

- (A) Animals undergo cellular respiration.
- (B) Animals do not undergo photosynthesis.
- (C) Plants undergo photosynthesis.
- (D) Plants do not undergo cellular respiration.

Use the diagram to answer Items 5–6.



5. The picture shows part a cell process. What is the process?

- (A) photosynthesis
- (B) cellular respiration
- (C) mitosis
- (D) cell differentiation

6. What is the goal of this process?

- (A) to get energy from food
- (B) to make food
- (C) to change a cell into a different kind of cell
- (D) to make new cells that are identical to old cells



Short Response

7. Explain how the different parts of the digestive system work together to digest food. Use the words *cells*, *tissue*, *organ*, and *organ system* in your answer.

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