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Topics Covered:

- Cell structures
- Organelles
- Functions

/ Mark 20

1. Which of the following is found in both plant and animal cells?

- A. Cell wall
 - B. Chloroplast
 - C. Nucleus
 - D. Large vacuole
-

2. What is the function of the cell membrane?

- A. To control what enters and leaves the cell
 - B. To provide structural support
 - C. To carry out photosynthesis
 - D. To store water and nutrients
-

3. Which organelle is responsible for producing energy in the cell?

- A. Ribosome
 - B. Mitochondrion
 - C. Nucleus
 - D. Chloroplast
-

4. What is the function of ribosomes?

- A. To produce energy
 - B. To make proteins
 - C. To store water
 - D. To control the cell
-

5. Which of the following is found only in plant cells?

- A. Mitochondrion
 - B. Chloroplast
 - C. Ribosome
 - D. Nucleus
-

6. What is the function of the nucleus?

- A. To control the activities of the cell
 - B. To produce energy
 - C. To make proteins
 - D. To store water
-

7. Which of the following is the correct order of organization in living organisms?

- A. Cells → Tissues → Organs → Organ systems
 - B. Tissues → Cells → Organs → Organ systems
 - C. Organs → Tissues → Cells → Organ systems
 - D. Organ systems → Organs → Tissues → Cells
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8. What is the function of the cell wall in plant cells?

- A. To control what enters and leaves the cell
 - B. To provide structural support
 - C. To carry out photosynthesis
 - D. To store water
-

9. Which of the following is a feature of prokaryotic cells?

- A. They have a nucleus
 - B. They have mitochondria
 - C. They have no nucleus
 - D. They have chloroplasts
-

10. What is the function of chloroplasts?

- A. To produce energy
 - B. To make proteins
 - C. To carry out photosynthesis
 - D. To store water
-

11. Which of the following is a function of the vacuole in plant cells?

- A. To store water and nutrients
 - B. To produce energy
 - C. To make proteins
 - D. To control the cell
-

12. What is the function of the cytoplasm?

- A. To control the cell
 - B. To provide structural support
 - C. To carry out metabolic reactions
 - D. To store water
-

13. Which of the following is a feature of animal cells?

- A. They have a cell wall
 - B. They have chloroplasts
 - C. They have small vacuoles
 - D. They have a large central vacuole
-

14. What is the function of the mitochondria?

- A. To produce energy through respiration
 - B. To make proteins
 - C. To carry out photosynthesis
 - D. To store water
-

15. Which of the following is a feature of plant cells?

- A. They have no cell wall
 - B. They have no chloroplasts
 - C. They have a large central vacuole
 - D. They have no nucleus
-

16. What is the function of the rough endoplasmic reticulum?

- A. To produce energy
 - B. To make and transport proteins
 - C. To carry out photosynthesis
 - D. To store water
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17. Which of the following is a feature of eukaryotic cells?

- A. They have no nucleus
 - B. They have no membrane-bound organelles
 - C. They have a nucleus
 - D. They have no mitochondria
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18. What is the function of the Golgi apparatus?

- A. To produce energy
 - B. To modify and package proteins
 - C. To carry out photosynthesis
 - D. To store water
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19. Which of the following is a feature of bacterial cells?

- A. They have a nucleus
 - B. They have mitochondria
 - C. They have plasmids
 - D. They have chloroplasts
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20. What is the function of lysosomes?

- A. To produce energy
 - B. To break down waste materials
 - C. To carry out photosynthesis
 - D. To store water
-

Answers:

- 1. C
- 2. A
- 3. B
- 4. B
- 5. B
- 6. A
- 7. A
- 8. B
- 9. C
- 10. C
- 11. A
- 12. C
- 13. C
- 14. A
- 15. C
- 16. B
- 17. C
- 18. B
- 19. C
- 20. B