

Biology Essentials for Teens

Biology · Answer Key · 10 Questions

1. Which organelle is known as the powerhouse of the cell?

- A) Nucleus
- B) Mitochondria**
- C) Ribosome
- D) Golgi apparatus

2. What is the primary sugar produced during photosynthesis?

- A) Glucose**
- B) Fructose
- C) Lactose
- D) Sucrose

3. Which part of the human brain controls balance and coordination?

- A) Cerebrum
- B) Brain stem
- C) Cerebellum**
- D) Hypothalamus

4. How many chromosomes are typically found in a healthy human somatic cell?

- A) 23
- B) 46**
- C) 22
- D) 48

5. Which molecule carries genetic information in most living organisms?

- A) RNA
- B) Protein
- C) DNA**
- D) Lipid

6. What type of organism is a mushroom?

- A) Plant
- B) Animal
- C) Bacterium
- D) Fungus**

7. Which blood cells are responsible for fighting infections?

- A) Red blood cells
- B) Platelets
- C) White blood cells**
- D) Plasma

8. What is the process by which plants lose water vapor through their leaves?

- A) Transpiration**
- B) Respiration
- C) Condensation
- D) Absorption

9. Which gas do humans primarily exhale as a waste product of cellular respiration?

- A) Oxygen
- B) Nitrogen
- C) Carbon dioxide**
- D) Hydrogen

10. In an ecosystem, what term describes organisms that produce their own food?

- A) Consumers
- B) Decomposers
- C) Producers**
- D) Carnivores