

General Biology Essentials

Biology · Answer Key · 10 Questions

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

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

2. Which gas do plants release into the atmosphere as a product of photosynthesis?

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

3. What is the largest organ of the human body?

- A) Liver
- B) Brain
- C) Heart
- D) Skin**

4. What term describes the double-spiral shape of a DNA molecule?

- A) Single spiral
- B) Double helix**
- C) Triple strand
- D) Flat ring

5. Which protein in red blood cells is responsible for carrying oxygen throughout the body?

- A) Hemoglobin**
- B) Insulin
- C) Keratin
- D) Collagen

6. Which of the following is a primary characteristic unique to mammals?

- A) They lay hard-shelled eggs
- B) They produce milk for their young**
- C) They are cold-blooded
- D) They lack a backbone

7. To which biological kingdom do mushrooms belong?

- A) Plantae
- B) Animalia
- C) Fungi**
- D) Protista

8. What is the primary function of white blood cells in the human body?

- A) Carrying oxygen
- B) Fighting infections**
- C) Clotting blood
- D) Digesting carbohydrates

9. What is the name of the green pigment that plants use to absorb light during photosynthesis?

- A) Chlorophyll**
- B) Carotene
- C) Melanin
- D) Anthocyanin

10. How many bones are in a typical adult human skeleton?

- A) 106
- B) 206**
- C) 306
- D) 406