

Biology Essentials for Teens

Biology · Practice Test · 15 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 basic unit of life in all living organisms?

- A) Tissue
- B) Organ
- C) Cell
- D) Atom

3. Which molecule carries the genetic instructions for the development and function of living things?

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

4. What process do plants use to convert sunlight into chemical energy?

- A) Respiration
- B) Photosynthesis
- C) Fermentation
- D) Transpiration

5. In human biology, which blood cells are responsible for fighting infections?

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

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

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

7. What is the primary function of the human heart?

- A) Digesting food
- B) Filtering waste
- C) Pumping blood
- D) Producing hormones

8. Which part of a plant typically absorbs water and nutrients from the soil?

- A) Leaves
- B) Stem
- C) Flower
- D) Roots

9. How many chromosomes are typically found in a standard human cell nucleus?

- A) 23
- B) 46
- C) 12
- D) 64

10. Which kingdom do mushrooms belong to?

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

11. What is the largest organ in the human body?

- A) Liver
- B) Brain
- C) Skin
- D) Lungs

12. Which substance gives plants their green colour?

- A) Chlorophyll
- B) Carotene
- C) Melanin
- D) Haemoglobin

13. What is the main purpose of the digestive system?

- A) To pump blood
- B) To break down food into nutrients
- C) To exchange gases
- D) To protect the body

14. Which type of organism consists of only one cell?

- A) Multicellular
- B) Unicellular
- C) Vertebrate
- D) Mammal

15. What is the scientific term for an animal that eats only plants?

- A) Carnivore
- B) Omnivore
- C) Herbivore
- D) Decomposer