

1. Which part of the cell is known as the “powerhouse” of the cell?

- a) Ribosome
- b) Mitochondria
- c) Golgi body
- d) Lysosome

Answer: b) Mitochondria

2. The blood group universal donor is:

- a) A
- b) B
- c) AB
- d) O negative

Answer: d) O negative

3. The process of conversion of light energy into chemical energy in plants is called:

- a) Respiration
- b) Transpiration
- c) Photosynthesis
- d) Fermentation

Answer: c) Photosynthesis

4. Which vitamin is essential for blood clotting?

- a) Vitamin C
- b) Vitamin K
- c) Vitamin B12
- d) Vitamin D

Answer: b) Vitamin K

5. The functional unit of the kidney is:

- a) Neuron
- b) Nephron
- c) Glomerulus
- d) Neurilemma

Answer: b) Nephron

6. Which of the following is a chemical change?

- a) Melting of ice
- b) Evaporation of water
- c) Rusting of iron
- d) Breaking of glass

Answer: c) Rusting of iron

7. The SI unit of force is:

- a) Watt
- b) Pascal
- c) Newton
- d) Joule

Answer: c) Newton

8. Which gas is responsible for the greenhouse effect?

- a) Nitrogen
- b) Carbon dioxide
- c) Oxygen
- d) Helium

Answer: b) Carbon dioxide

9. The human heart has how many chambers?

- a) 2
- b) 3
- c) 4
- d) 5

Answer: c) 4

10. Which of the following is not a communicable disease?

- a) Tuberculosis
- b) Diabetes
- c) Measles
- d) Influenza

Answer: b) Diabetes

11. DNA stands for:

- a) Deoxyribonucleic Acid
- b) Dioxyribonitric Acid
- c) Deoxyribogenetic Acid
- d) Deoxyribose Nitrogenous Acid

Answer: a) Deoxyribonucleic Acid

12. The pH of neutral solutions is:

- a) 0
- b) 7
- c) 14
- d) 1

Answer: b) 7

