

1. Which of the following is an example of an alkali metal?

- A. Calcium
- B. Sodium
- C. Zinc
- D. Aluminum

Answer: B. Sodium

2. The functional group present in ethanol is:

- A. -COOH
- B. -CHO
- C. -OH
- D. -NH_2

Answer: C. -OH

3. Which of the following is the powerhouse of the cell?

- A. Ribosome
- B. Mitochondria
- C. Golgi body
- D. Lysosome

Answer: B. Mitochondria

4. Carbohydrates are mainly stored in plants as:

- A. Glucose
- B. Glycogen
- C. Starch
- D. Cellulose

Answer: C. Starch

5. The pH of a neutral solution at 25°C is:

- A. 5
- B. 6
- C. 7
- D. 8

Answer: C. 7

6. Which bond is formed by sharing of electrons?

- A. Ionic bond
- B. Covalent bond
- C. Metallic bond
- D. Hydrogen bond

Answer: B. Covalent bond

7. Which vitamin is also known as Ascorbic Acid?

- A. Vitamin A
- B. Vitamin B₁₂
- C. Vitamin C
- D. Vitamin D

Answer: C. Vitamin C

8. The basic unit of heredity is:

- A. Chromosome
- B. Gene
- C. DNA
- D. Nucleosome

Answer: B. Gene

9. Which enzyme breaks down starch into maltose?

- A. Pepsin
- B. Trypsin
- C. Amylase
- D. Lipase

Answer: C. Amylase

10. Avogadro's number is:

- A. 6.022×10^{16}
- B. 6.022×10^{23}
- C. 3.14×10^{22}
- D. 9.81×10^{19}

Answer: B. 6.022×10^{23}

11. Which gas is used for the preparation of ammonia in Haber's process?

- A. Hydrogen
- B. Nitrogen
- C. Both A and B
- D. Oxygen

Answer: C. Both A and B

12. Which among the following is non-metal?

- A. Sulphur
- B. Copper
- C. Iron

D. Mercury

Answer: A. Sulphur

