

Group-1 (Class 9 & 10)

2 Points Questions.

1. What is the chemical symbol for oxygen?

- a) O
- b) C
- c) H
- d) N

Answer: a) O

2. Which part of the plant is responsible for absorbing water from the soil?

- a) Stem
- b) Roots
- c) Leaves
- d) Flowers

Answer: b) Roots

3. What is the state of matter of water at 0°C?

- a) Solid
- b) Liquid
- c) Gas
- d) Plasma

Answer: a) Solid

1.

4 Points Questions.

1. What is the smallest unit of an element that retains its chemical properties?

- a) Molecule
- b) Atom
- c) Cell
- d) Electron

Answer: b) Atom

2. Which organelle is responsible for cellular respiration in both plants and animals?

- a) Nucleus
- b) Mitochondria
- c) Ribosome

d) Chloroplast

Answer: b) Mitochondria

3. What is the chemical name for table salt?

a) Sodium chloride

b) Carbon dioxide

c) Hydrogen peroxide

d) Magnesium sulfate

Answer: a) Sodium chloride

1.

6 Points Questions.

1. Which of the following best describes Newton's Third Law of Motion?

a) Every action has an equal and opposite reaction

b) Force equals mass times acceleration

c) An object at rest stays at rest

d) Energy is neither created nor destroyed

Answer: a) Every action has an equal and opposite reaction

2. Which type of chemical bond involves the transfer of electrons between atoms?

a) Covalent bond

b) Ionic bond

c) Metallic bond

d) Hydrogen bond

Answer: b) Ionic bond

3. Which blood cells are responsible for defending the body against infections?

a) Red blood cells

b) Platelets

c) White blood cells

d) Plasma

Answer: c) White blood cells