

CHAPTER-1 | Exploring the Investigative World of Science

QUIZ
PART-03

1. Materials are classified into:

- A. Liquids only
- B. Elements, compounds, mixtures
- C. Solids only
- D. Metals only (B)

Explanation : Materials are categorized based on composition.

2. An element contains:

- A. Many atoms
- B. One type of atom
- C. Different atoms
- D. No atoms (B)

Explanation : Element is pure substance.

3. Compounds are formed by:

- A. One element
- B. Physical mixing
- C. Chemical bonding
- D. Heating only (C)

Explanation : Compounds are chemically combined.

4. Mixtures can be separated by:

- A. Chemical reaction
- B. Physical methods
- C. Burning
- D. Freezing (B)

Explanation : Mixtures are physically separable.

5. Particles move freely in:

- A. Solid
- B. Liquid
- C. Gas
- D. Metal (C)

Explanation : Gas particles move freely.

6. Light bends when passing through:

- A. Mirror
- B. Lens
- C. Air only
- D. Heat (B)

Explanation : Refraction happens in lenses.

7. Reflection occurs on:

- A. Rough surfaces
- B. Polished mirrors
- C. Gas
- D. Heat (B)

Explanation : Smooth surfaces reflect clearly.

8. Moon shines because it:

- A. Produces light
- B. Reflects sunlight
- C. Has fire
- D. Glows itself (B)

Explanation : Moon reflects Sun's light.

9. Solution is formed by:

- A. Burning
- B. Mixing particles
- C. Freezing
- D. Breaking (B)

Explanation : Solution forms by mixing particles.

10. Light helps us:

- A. See objects
- B. Hear sound
- C. Taste food
- D. Smell air (A)

Explanation : Light enables vision.