

CHAPTER-8 | Nature of Matter: Elements, Compounds,
and MixturesQUIZ
PART-04

1. Elements cannot be broken into:

- A. Mixtures
- B. Simpler substances
- C. Compounds
- D. Liquids (B)

Explanation: Elements are basic substances.

2. Building blocks of matter are:

- A. Compounds
- B. Elements
- C. Mixtures
- D. Alloys (B)

Explanation: All matter made of elements.

3. Smallest particle of element is:

- A. Molecule
- B. Atom
- C. Ion
- D. Electron (B)

Explanation: Atom is basic unit.

4. Total known elements:

- A. 100
- B. 118
- C. 90
- D. 150 (B)

Explanation: 118 elements discovered.

5. Two liquid elements at room temp:

- A. Iron & Gold
- B. Mercury & Bromine
- C. Gallium & Iron
- D. Silver & Copper (B)

Explanation: Mercury and bromine are liquids.

6. Gallium becomes liquid at:

- A. 0°C
- B. 30°C
- C. 100°C
- D. 10°C (B)

Explanation: Melts near 30°C.

7. Metals are:

- A. Non-shiny
- B. Good conductors
- C. Gases
- D. Non-reactive (B)

Explanation: Metals conduct heat and electricity.

8. Oxygen is:

- A. Metal
- B. Non-metal
- C. Metalloid
- D. Alloy (B)

Explanation: Oxygen is non-metal.

9. Silicon is:

- A. Metal
- B. Non-metal
- C. Metalloid
- D. Compound (C)

Explanation: Silicon is metalloid.

10. Gold used in mobiles because:

- A. Cheap
- B. Conductive & non-corrosive
- C. Magnetic
- D. Soft (B)

Explanation: Good conductor and stable.