

**CHAPTER-8 | Nature of Matter: Elements, Compounds,
and Mixtures****QUIZ
PART-01**

1. A mixture consists of:

- A. One substance
- B. Two or more substances
- C. Only compounds
- D. Only elements (B)

Explanation: Mixtures contain two or more substances.

2. Components of mixture:

- A. React chemically
- B. Lose properties
- C. Retain properties
- D. Form new substance (C)

Explanation: Components keep their original properties.

3. Air is a:

- A. Compound
- B. Element
- C. Uniform mixture
- D. Non-uniform mixture (C)

Explanation: Air is a homogeneous mixture of gases.

4. Lime water turns milky due to:

- A. Oxygen
- B. Nitrogen
- C. Carbon dioxide
- D. Hydrogen (C)

Explanation: CO_2 forms calcium carbonate.

5. Dust particles in air are:

- A. Integral part
- B. Pollutants
- C. Elements
- D. Compounds (B)

Explanation: Dust is considered pollutant.

6. 78% of air is:

- A. Oxygen
- B. Carbon dioxide
- C. Nitrogen
- D. Argon (C)

Explanation: Nitrogen is major component.

7. Mixtures can be separated by:

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

Explanation: Mixtures separate physically.

8. Example of non-uniform mixture:

- A. Air
- B. Salt water
- C. Water and sand
- D. Oxygen (C)

Explanation: Sand is visible in water.

9. Air Quality Index measures:

- A. Temperature
- B. Pollution level
- C. Humidity
- D. Rain (B)

Explanation: AQI indicates air quality.

10. In mixture, substances:

- A. Combine in fixed ratio
- B. Combine randomly
- C. Always react
- D. Cannot separate (B)

Explanation: Composition is variable.