

Everyday Chemistry Basics

Chemistry · Answer Key · 10 Questions

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

- A) Molecule
- B) Compound
- C) Atom**
- D) Mixture

2. What is the chemical formula for water?

- A) CO₂
- B) O₂
- C) H₂O**
- D) NaCl

3. Which state of matter has a definite shape and a definite volume?

- A) Liquid
- B) Gas
- C) Plasma
- D) Solid**

4. What is the process called when a liquid turns into a gas?

- A) Melting
- B) Freezing
- C) Evaporation**
- D) Condensation

5. Which element is essential for human respiration?

- A) Nitrogen
- B) Carbon
- C) Hydrogen
- D) Oxygen**

6. What does the pH scale measure?

- A) Temperature
- B) Density
- C) Acidity or alkalinity**
- D) Volume

7. What is the common name for the chemical compound sodium chloride (NaCl)?

- A) Baking soda
- B) Vinegar
- C) Table salt**
- D) Sugar

8. The formation of rust on iron is an example of what type of change?

- A) Physical change
- B) Phase change
- C) Nuclear change
- D) Chemical change**

9. What chart organizes all known chemical elements by their atomic number?

- A) Nutrition label
- B) World map
- C) Periodic table**
- D) Calendar

10. A substance that consists of only one type of atom is called an:

- A) Compound
- B) Mixture
- C) Element**
- D) Solution