

Fundamentals of Chemistry

Chemistry · Answer Key · 8 Questions

1. Which element has the highest thermal conductivity of all known elements?

- A) Silver**
- B) Diamond
- C) Copper
- D) Gold

2. What is the chemical name for the main component of natural gas?

- A) Propane
- B) Ethane
- C) Methane**
- D) Butane

3. Which subatomic particle carries a negative electrical charge?

- A) Proton
- B) Neutron
- C) Electron**
- D) Positron

4. What is the most abundant gas in the Earth's atmosphere by volume?

- A) Oxygen
- B) Carbon Dioxide
- C) Argon
- D) Nitrogen**

5. Which metal is liquid at standard room temperature and pressure?

- A) Gallium
- B) Mercury**
- C) Cesium
- D) Francium

6. What is the chemical formula for sulfuric acid?

- A) H₂SO₄**
- B) HCl
- C) HNO₃
- D) CH₃COOH

7. In the periodic table, which group is known as the noble gases?

- A) Group 1
- B) Group 17
- C) Group 18**
- D) Group 2

8. Which process involves a substance changing directly from a solid to a gas?

- A) Condensation
- B) Evaporation
- C) Sublimation**
- D) Deposition