

Advanced Chemistry Fundamentals

Chemistry · Answer Key · 8 Questions

1. Which subatomic particle carries a negative electrical charge?

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

2. What is the chemical symbol for the element Gold?

- A) Gd
- B) Au**
- C) Ag
- D) Go

3. Which group in the periodic table contains the noble gases?

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

4. What is the atomic number of Carbon?

- A) 6**
- B) 8
- C) 12
- D) 14

5. Which type of chemical bond involves the sharing of electron pairs between atoms?

- A) Ionic bond
- B) Metallic bond
- C) Hydrogen bond
- D) Covalent bond**

6. What is the most abundant gas in Earth's atmosphere?

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

7. Which state of matter has a definite volume but no definite shape?

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

8. What is the pH value of pure water at 25 degrees Celsius?

- A) 0
- B) 7**
- C) 10
- D) 14