

# ACS Practice Test Questions and Answers

1. What does the molecular formula  $C_6H_{12}O_6$  represent?

- A) Fructose
- B) Glucose
- C) Sucrose
- D) Both A and B

2. Which type of bond is formed when atoms share electrons?

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

3. What is the pH of a neutral solution at  $25^\circ\text{C}$ ?

- A) 0
- B) 7
- C) 14
- D) 1

4. Which gas law relates pressure and volume at constant temperature?

- A) Charles's Law
- B) Gay-Lussac's Law
- C) Boyle's Law
- D) Avogadro's Law

Answers: 1-D 2-B 3-B 4-C

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