

Essential Chemistry Basics

Chemistry · Answer Key · 17 Questions

1. What is the chemical symbol for Gold?

- A) Ag
- B) Au**
- C) Fe
- D) Pb

2. Which common substance has the chemical formula H₂O?

- A) Salt
- B) Vinegar
- C) Water**
- D) Sugar

3. What is the center of an atom called?

- A) Electron
- B) Orbit
- C) Nucleus**
- D) Shell

4. Which gas do humans breathe out as a waste product?

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

5. What is the pH level of pure water?

- A) 1
- B) 7**
- C) 10
- D) 14

6. Which particle in an atom has a negative charge?

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

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

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

8. What is the common name for Sodium Chloride?

- A) Baking Soda
- B) Table Salt**
- C) Epsom Salt
- D) Bleach

9. Which element is known as the 'building block of life'?

- A) Iron
- B) Calcium
- C) Carbon**
- D) Gold

10. Which metal is liquid at room temperature?

- A) Silver
- B) Iron
- C) Mercury**
- D) Copper

11. What is the chemical symbol for Oxygen?

- A) Ox
- B) O**
- C) O2
- D) On

12. What is the lightest chemical element?

- A) Helium
- B) Hydrogen**
- C) Lithium
- D) Oxygen

13. At what temperature does water freeze in degrees Celsius?

- A) -10°C
- B) 0°C**
- C) 32°C
- D) 100°C

14. What are the three main states of matter?

A) Solid, Liquid, Gas

B) Hot, Cold, Warm

C) Hard, Soft, Brittle

D) Big, Small, Tiny

15. Which gas is used to inflate balloons to make them float?

A) Oxygen

B) Helium

C) Nitrogen

D) Carbon

16. What is the chemical symbol for Iron?

A) Ir

B) In

C) Fe

D) I

17. What is the name of the table that lists all known elements?

A) Element List

B) Chemical Chart

C) Periodic Table

D) Atomic Map