Elementary Science: Intro to Chemistry

Chemistry · Answer Key · 12 Questions

1. Which state of matter holds its own shape and does not flow?

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

2. What process turns liquid water into water vapor when heated?

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

3. What are the tiny building blocks that make up all matter in the universe?

A) Cells
B) Atoms
C) Tissues
D) Crystals

4. What type of change happens when ice melts into liquid water?

A) Physical change
B) Chemical change
C) Biological change
D) Nuclear change

5. Which gas in the air combines with iron to cause rust?

A) Helium
B) Oxygen
C) Nitrogen
D) Carbon dioxide

6. When sugar is stirred into water until it can no longer be seen, what has the sugar done?

A) Melted
B) Dissolved
C) Evaporated
D) Frozen

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7. Lemon juice tastes sour because it contains which type of substance?

A) An acid
B) A base
C) A salt
D) A metal

8. What is the chemical formula used to represent water?

A) CO2
B) H2O
C) O2
D) NaCl

9. What process causes water droplets to form on the outside of a cold glass?

A) Evaporation
B) Condensation
C) Sublimation
D) Filtration

10. Why does oil float on top of water?

A) Oil is denser than water
B) Oil is less dense than water
C) Oil is colder than water
D) Oil dissolves in water

11. What type of change takes place when wood burns and turns into ash?

A) Physical change
B) Chemical change
C) State change
D) Reversible change

12. Which of these materials is a good conductor of electricity?

A) Rubber
B) Wood
C) Copper
D) Plastic

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