

Name _____

Unlocking the Elements: What the Periodic Table Reveals

Multiple Choice Questions

1. What does the atomic number of an element represent?
 - a) Its atomic mass
 - b) The number of protons in its nucleus
 - c) The number of neutrons in its nucleus
 - d) The number of electrons in its outermost shell

2. Which part of the periodic table helps scientists identify elements with similar properties?
 - a) Atomic mass
 - b) Atomic number
 - c) Electron configuration
 - d) Groups

3. What does the melting point of an element indicate?
 - a) The temperature at which it turns into a gas
 - b) The temperature at which it turns into a liquid
 - c) The temperature at which it turns into a solid
 - d) The temperature at which it reacts with other elements

4. Which element has the symbol "O"?
 - a) Oxygen
 - b) Hydrogen
 - c) Helium
 - d) Carbon

5. Why is electronegativity important in chemistry?
 - a) It tells us how heavy an element is.
 - b) It measures an element's ability to attract electrons in chemical bonds.
 - c) It indicates an element's state at room temperature.
 - d) It describes the color of an element.

