

Name _____

Bonding Wonders: Everyday Substances and Chemical Bonds

Multiple Choice Questions

1. Which type of chemical bond involves atoms sharing electrons?
 - a) Ionic bonds
 - b) Metallic bonds
 - c) Covalent bonds
 - d) Van der Waals forces
2. What type of bonding is responsible for the properties of metals, such as electrical conductivity and malleability?
 - a) Covalent bonds
 - b) Ionic bonds
 - c) Metallic bonds
 - d) Hydrogen bonds
3. Which force is relatively weak and exists between all molecules, even non-polar substances?
 - a) Covalent bonds
 - b) Ionic bonds
 - c) Van der Waals forces
 - d) Metallic bonds
4. What type of bonding is responsible for the unique properties of water, including its high surface tension?
 - a) Covalent bonds
 - b) Ionic bonds
 - c) Van der Waals forces
 - d) Hydrogen bonds
5. In which substance do hydrogen bonds play a crucial role in maintaining the structure of the double helix?
 - a) Oxygen gas (O_2)
 - b) Copper (Cu)
 - c) Water (H_2O)
 - d) Methane (CH_4)

