

Name _____

Charged Up Chemistry: Exploring Ions and Ionic Compounds

Multiple Choice Questions

1. What is an ion?
 - a) A neutral atom
 - b) An atom with an electric charge
 - c) A negatively charged molecule
 - d) A compound made of two atoms

2. What happens when an atom loses one or more electrons?
 - a) It becomes an anion.
 - b) It becomes a cation.
 - c) It becomes neutral.
 - d) It becomes a molecule.

3. What type of bond holds ions together in an ionic compound?
 - a) Covalent bond
 - b) Hydrogen bond
 - c) Ionic bond
 - d) Metallic bond

4. Why do opposite charges attract in ionic compounds?
 - a) Because they repel each other
 - b) Because they are the same type of charge
 - c) Because like charges attract
 - d) Because opposite charges attract

5. Why do ionic compounds conduct electricity when dissolved in water?
 - a) Because water contains ions
 - b) Because ions are mobile in the solution
 - c) Because water is a strong conductor
 - d) Because ionic compounds are made of metal

