

Name _____

The Magical World of Ionic Compounds: Exploring the Properties of Salts

Multiple Choice Questions

1. What holds ions together in an ionic compound?
 - a) Covalent bonds
 - b) Ionic bonds
 - c) Hydrogen bonds
 - d) Metallic bonds
2. Why do ionic compounds have high melting and boiling points?
 - a) Because they are very heavy
 - b) Because they have weak bonds
 - c) Because they have strong ionic bonds
 - d) Because they are naturally hot
3. What happens when you add salt (NaCl) to water?
 - a) It becomes invisible
 - b) It explodes
 - c) It forms a solid
 - d) It dissolves into ions
4. Why can ionic compounds conduct electricity when dissolved in water?
 - a) Because they have no charge
 - b) Because water is a superconductor
 - c) Because the ions are free to move
 - d) Because they contain covalent bonds
5. What causes the vibrant colors in some ionic compounds?
 - a) Interaction of light with electrons in metal ions
 - b) Magic spells
 - c) Temperature changes
 - d) Mixing with other compounds

