

Name _____

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

Open-Ended Response Questions

1. How are ionic compounds different from covalent compounds, and what makes them unique?
2. Imagine you have a block of table salt (NaCl). How could you separate the sodium (Na^+) and chloride (Cl^-) ions to obtain pure sodium and pure chloride?
3. Why do you think it's important to understand the properties of ionic compounds in various fields, such as chemistry, biology, and industry?
4. Investigate and describe a real-world application where the ability of ionic compounds to conduct electricity when dissolved in water is useful.

