

RQ for Binary Ionic Compounds

Name: _____

Date: _____

- When ions with opposite charges join, they form what kind of chemical bond?
A. ionic B. hydrogen
C. metallic D. covalent
- Your teacher gives you a list of compounds to classify based on their type of chemical bonding. Which substance should you classify as *ionic*?
A. H₂O B. CO₂ C. HCl D. NaCl
- Which of the following occurs in an ionic bond?
A. Two ions share protons.
B. Two ions share electrons.
C. Similarly charged ions attract.
D. Oppositely charged ions attract.
- How many atoms are in the compound sodium carbonate (Na₂CO₃)?
A. 1 B. 3 C. 6 D. 7
- What is the correct formula for Boron Chloride?
A. BCl B. BCl₃
C. B₃(ClO₃)₃ D. B(ClO₃)₃
- Barium and iodine combine to form an ionic compound. What is the chemical formula for this compound?
A. BaI B. BaI₂ C. Ba₂I D. Ba₂I₂
- Based on valence electron configurations, which of the following is a formula for a compound formed from sodium (Na) and oxygen (O)?
A. NaO B. NaO₂
C. Na₂O D. Na₂O₃
- Which compound is formed when aluminum bonds with fluorine?
A. AlF B. AlF₂ C. AlF₃ D. Al₃F
- Which of the following is the correct name for K₂S?
A. Potasside Sulfide B. Potassium Sulfur
C. Potassium Sulfide D. Potasside Sulfur
- Which of the following is the correct name for MgI₂?
A. Magneside Iodide B. Magnesium Iodide
C. Magnesium Iodine D. Magneside Iodine