

## Binary Ionic Compounds Questions

- In an ionic compound, what do you know about the sum of the charges on the positive ions compared to the sum of the charges on the negative ions?
  - Calculate the sum of the ionic charges in the compound  $\text{BaCl}_2$ . Show your calculation.
- Draw a Bohr diagram to show the electron transfer that occurs when magnesium and fluorine form magnesium fluoride.
- Write the names for the following compounds:
  - $\text{KCl}$
  - $\text{Na}_3\text{P}$
  - $\text{CaF}_2$
- In mining, some minerals are referred to as ferrous. What metallic element is present in these compounds? (Hint: Look at the letters that begin the word.)
- (P, D) Calculate the sum of the ionic charges in the compound  $\text{Al}_2\text{O}_3$ . Show your calculation.