Name: _____ Date: _____

Drawing Ionic Compounds Worksheet

Outcomes:

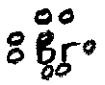
- ☺ ***Can I draw simple models of ionic compounds?***
- ☺ ***Can I predict the combining capacity of ionic compounds with two elements?***

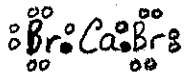
Instructions:

Draw dot diagrams to represent an atom of each element. Indicate what will happen to the electrons in each element in a chemical reaction and state the charge of the ion it forms. Then create a dot diagram to show how the elements bond together in a chemical reaction. Write down the chemical formula for the new compound also.

Example: calcium bromide

a) will lose two electrons forming a calcium ion with a charge of 2+

b)  will gain one electron forming a bromide ion with a charge of 1-

c)  The formula for calcium bromide is $CaBr_2$

1. magnesium chloride
2. lithium fluoride
3. sodium sulphide
4. beryllium nitride