

1. Draw the Lewis dot structures of the following **atoms** and their respective **ions**:

calcium	calcium ion	fluorine	fluoride
sodium	sodium ion	sulfur	sulfide
aluminum	aluminum ion	oxygen	oxide
barium	barium ion	nitrogen	nitride
potassium	potassium ion	chlorine	chloride
magnesium	magnesium ion	selenium	selenide
cesium	cesium ion	iodine	iodide
lithium	lithium ion	phosphorous	phosphide

2. Write the empirical formula and draw Lewis dot structures for these **ionic** compounds:

sodium chloride _____	magnesium sulfide _____	beryllium phosphide _____
calcium fluoride _____	potassium oxide _____	strontium bromide _____
potassium iodide _____	lithium bromide _____	barium nitride _____

3. Write the chemical name and draw Lewis dot structures for these **ionic** compounds:

BaCl_2 _____	AlI_3 _____	Li_3P _____
Na_3N _____	K_2S _____	Al_2O_3 _____
Na_2O _____	RbBr _____	Ca_3P_2 _____