

Nomenclature A– Naming Monatomic Ions

Name the cation as itself and add –ide to the end of the anion.

Give the names of the following compounds:

1. NaCl sodium chloride
2. KBr potassium bromide
3. LiI lithium iodide
4. CaF₂ calcium fluoride
5. MgO magnesium oxide
6. BeS beryllium sulfide
7. Na₃N sodium nitride
8. Mg₃P₂ magnesium phosphide
9. K₂O potassium oxide
10. Al₂S₃ aluminum sulfide
11. MgBr₂ magnesium bromide
12. K₃N potassium nitride
13. Li₂O lithium oxide
14. Be₃P₂ beryllium phosphide
15. Na₂S sodium sulfide
16. AlF₃ aluminum fluoride
17. Li₃P lithium phosphide
18. CaS calcium sulfide
19. AlN aluminum nitride
20. HBr hydrogen bromide

Give the formulas of the following compounds:

<u>Name</u>	<u>Cation</u>	<u>Anion</u>	<u>Compound</u>
1. potassium sulfide	K^+	S^{2-}	K_2S
2. calcium nitride	Ca^{2+}	N^{3-}	Ca_3N_2
3. lithium nitride	Li^+	N^{3-}	Li_3N
4. aluminum iodide	Al^{3+}	I^-	AlI_3
5. hydrogen fluoride	H^+	F^-	HF
6. potassium phosphide	K^+	P^{3-}	K_3P
7. barium oxide	Ba^{2+}	O^{2-}	BaO
8. beryllium fluoride	Be^{2+}	F^-	BeF_2
9. magnesium sulfide	Mg^{2+}	S^{2-}	MgS
10. aluminum oxide	Al^{3+}	O^{2-}	Al_2O_3
11. sodium phosphide	Na^+	P^{3-}	Na_3P
12. calcium chloride	Ca^{2+}	Cl^-	$CaCl_2$
13. beryllium bromide	Be^{2+}	Br^-	$BeBr_2$
14. lithium oxide	Li^+	O^{2-}	Li_2O
15. aluminum nitride	Al^{3+}	N^{3-}	AlN