___ = cation ___ = anion

Naming Ionic Compounds Name KEY Per____

use periodic table of ions

Write the name for each of the following ionic compounds.

1. NaCl — sodium chloride
2. Cu_2S — copper (I) sulfide (Cu^{+} Cu^{+} / S^{2-}; +2 / −2)
3. $B(CO_3)_3$ — boron carbonate
4. $Mg(OH)_2$ — magnesium hydroxide
5. MnF_2 — manganese (II) fluoride (Mn^{2+} / F^{-} F^{-}; +2 / −2)
6. $(NH_4)_2SO_4$ — ammonium sulfate
7. K_3N — potassium nitride
8. $LiNO_3$ — lithium nitrate
9. $BaSO_4$ — barium sulfate
10. $Mg(NO_3)_2$ — magnesium nitrate
11. AgCl — silver chloride
12. $Al(OH)_3$ — aluminum hydroxide
13. $CaSO_4$ — calcium sulfate
14. Cr_3P_2 — chromium (II) phosphide (Cr^{2+} Cr^{2+} Cr^{2+} / P^{3-} P^{3-}; +6 / −6)
15. SrS — strontium sulfide
16. $BeCl_2$ — beryllium chloride
17. NaI — sodium iodide
18. $AlCl_3$ — aluminum chloride
19. $MgCO_3$ — magnesium carbonate
20. Ti_2O_2 (4) — titanium (IV) oxide
21. Au_2Se (2) — gold (I) selenide

Au^{+} Au^{+} / Se^{2-}