

## Formulas and Nomenclature Binary Ionic Compounds Worksheet

Name the following compounds.

1. KCl
2.  $\text{Li}_2\text{O}$
3.  $\text{CaBr}_2$
4. LiH
5.  $\text{MgBr}_2$
6.  $\text{K}_2\text{O}$
7. ZnO
8. SrS
9. CaS
10.  $\text{Ag}_2\text{S}$
11.  $\text{ZnF}_2$
12.  $\text{Ag}_3\text{N}$
13. NaF
14. BaO
15.  $\text{Na}_2\text{S}$
16.  $\text{AlBr}_3$
17.  $\text{Li}_3\text{N}$
18. KF
19.  $\text{SrI}_2$
20. MgO
21.  $\text{Al}_2\text{O}_3$
22.  $\text{CaH}_2$

Write formulas.

1. sodium bromide
2. calcium oxide
3. silver chloride
4. silver oxide
5. aluminum nitride
6. zinc iodide
7. magnesium nitride
8. calcium hydride
9. potassium phosphide
10. calcium fluoride
11. sodium nitride
12. magnesium chloride
13. calcium chloride
14. potassium iodide
15. aluminum chloride
16. barium chloride
17. sodium chloride
18. silver bromide
19. magnesium hydride
20. zinc chloride
21. zinc sulfide

## Formulas and Nomenclature Binary Molecular Worksheet

Name the following compounds.

1.  $\text{N}_2\text{O}_4$
2.  $\text{N}_2\text{O}$
3.  $\text{P}_2\text{O}_5$
4.  $\text{Cl}_2\text{O}_7$
5.  $\text{CO}_2$
6.  $\text{OF}_2$

Write formulas.

1. phosphorus pentachloride
2. carbon monoxide
3. carbon tetrachloride
4. nitrogen trifluoride
5. sulfur hexafluoride
6. dinitrogen trioxide

## Formulas and Nomenclature Binary Ionic Transition Metals Worksheet

Name the following compounds.

1.  $\text{NiBr}_2$
2.  $\text{FeO}$
3.  $\text{Fe}_2\text{O}_3$
4.  $\text{SnCl}_4$
5.  $\text{PbCl}_4$
6.  $\text{SnBr}_2$
7.  $\text{CrP}$
8.  $\text{FeF}_2$
9.  $\text{AuCl}_3$
10.  $\text{SnO}_2$
11.  $\text{SnCl}_2$
12.  $\text{Ni}_2\text{O}_3$
13.  $\text{HgF}_2$
14.  $\text{PbO}$
15.  $\text{FeI}_3$
16.  $\text{AuBr}$
17.  $\text{CuS}$
18.  $\text{Fe}_3\text{N}_2$
19.  $\text{PbI}_4$
20.  $\text{Sn}_3\text{P}_4$
21.  $\text{CrCl}_2$
22.  $\text{NiF}_3$
23.  $\text{CoI}_2$
24.  $\text{AuF}_3$
25.  $\text{HgO}$
26.  $\text{FeN}$

Write formulas.

1. iron (III) chloride
2. copper (I) oxide
3. mercury (II) oxide
4. cobalt (II) bromide
5. lead (II) iodide
6. mercury (II) bromide
7. lead (II) sulfide
8. tin (IV) iodide
9. chromium (III) oxide
10. tin (II) fluoride
11. mercury (II) sulfide
12. lead (IV) chloride
13. nickel (II) phosphide
14. gold (III) bromide
15. cobalt (II) iodide
16. copper (I) nitride
17. iron (III) phosphide
18. chromium (II) nitride
19. iron (II) chloride
20. tin (II) fluoride
21. copper (II) bromide
22. copper (I) iodide
23. lead (II) fluoride
24. lead (IV) nitride
25. nickel (II) sulfide
26. gold (I) iodide