

Type I Binary Compounds
Chemistry

Name: _____
Hour: _____ Date: _____

For each of the following compounds write the name if the chemical formula is given and write the chemical formula if the name is given.

1. calcium chloride _____
2. potassium fluoride _____
3. lithium selenide _____
4. sodium oxide _____
5. barium bromide _____
6. Cs_3N _____
7. SrO _____
8. BeCl_2 _____
9. Rb_2S _____
10. Ra_3P_2 _____

Type II Binary Compounds
Chemistry

Name: _____
Hour: _____ Date: _____

For each of the following compounds write the name if the chemical formula is given and write the chemical formula if the name is given.

1. nickel (III) selenide _____

2. manganese (II) oxide _____

3. gold (III) sulfide _____

4. bismuth (V) nitride _____

5. platinum (IV) iodide _____

6. VO_2 _____

7. Sb_2Te_3 _____

8. Co_3P_2 _____

9. CrO_3 _____

10. PbCl_2 _____

11. Cu_2S _____

12. FeN _____

Type III Binary Compounds
Chemistry

Name: _____
Hour: _____ Date: _____

For each of the following compounds write the name if the chemical formula is given and write the chemical formula if the name is given.

1. iodine trichloride _____
2. diphosphorus pentoxide _____
3. boron trifluoride _____
4. dihydrogen monoxide _____
5. disulfur dichloride _____
6. CS_2 _____
7. ICl _____
8. SF_6 _____
9. NO _____
10. P_4O_{10} _____

Ternary Compounds
Chemistry

Name: _____
Hour: _____ Date: _____

For each of the following compounds write the name if the chemical formula is given and write the chemical formula if the name is given.

1. lithium carbonate _____
2. ammonium sulfide _____
3. copper (II) arsenate _____
4. rubidium bicarbonate _____
5. mercury (I) nitrate _____
6. sodium hypochlorite _____
7. gold (I) sulfate _____
8. zirconium (IV) hydroxide _____
9. potassium oxalate _____
10. nickel (II) acetate _____
11. CuSO_3 _____
12. NH_4OH _____
13. KMnO_4 _____
14. $\text{Pb}(\text{S}_2\text{O}_3)_2$ _____
15. FrNO_2 _____
16. NaHCO_3 _____
17. K_2CrO_4 _____
18. $\text{Sn}(\text{CN})_2$ _____
19. $\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$ _____
20. BaCO_3 _____