

Name: \_\_\_\_\_

Section: \_\_\_\_\_

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## Workshop #3: Nomenclature

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A. Provide a chemical name for the following formulas:

1.  $\text{CuSO}_3$  \_\_\_\_\_

2.  $\text{Hg}_2\text{Cl}_2$  \_\_\_\_\_

3.  $\text{BaCr}_2\text{O}_7$  \_\_\_\_\_

4.  $\text{NO}$  \_\_\_\_\_

5.  $\text{Sr}(\text{OH})_2$  \_\_\_\_\_

6.  $\text{Mn}(\text{NO}_2)_2$  \_\_\_\_\_

7.  $\text{NaHCO}_3$  \_\_\_\_\_

8.  $\text{HNO}_3(\text{aq})$  \_\_\_\_\_

9.  $\text{CsClO}_2$  \_\_\_\_\_

10.  $\text{Ag}_3\text{PO}_3$  \_\_\_\_\_

11.  $\text{V}_2(\text{CrO}_4)_5$  \_\_\_\_\_

12.  $\text{Sn}(\text{MnO}_4)_4$  \_\_\_\_\_

13.  $\text{I}_2\text{O}_7$  \_\_\_\_\_

Name: \_\_\_\_\_

Section: \_\_\_\_\_

B. Provide a formula for the following names:

1. sodium peroxide \_\_\_\_\_

2. copper(II) sulfate pentahydrate \_\_\_\_\_

3. ammonia \_\_\_\_\_

4. sulfurous acid \_\_\_\_\_

5. calcium hydride \_\_\_\_\_

6. ammonium hydrogen phosphate \_\_\_\_\_

7. arsenic(III) sulfate \_\_\_\_\_

8. dichlorine heptoxide \_\_\_\_\_

9. gold(I) iodide \_\_\_\_\_

10. antimony(III) nitride \_\_\_\_\_

11. tin(IV) carbonate \_\_\_\_\_

12. bismuth(III) oxide \_\_\_\_\_

13. mercury(II) perchlorate \_\_\_\_\_

14. pentane \_\_\_\_\_

Name: \_\_\_\_\_

Section: \_\_\_\_\_

C. Provide a chemical name for the following formulas:

1.  $\text{HC}_2\text{H}_3\text{O}_2(\text{aq})$  \_\_\_\_\_

2.  $\text{PbC}_2\text{O}_4$  \_\_\_\_\_

3.  $\text{Au}(\text{ClO})_3$  \_\_\_\_\_

4.  $\text{Cd}(\text{SCN})_2$  \_\_\_\_\_

5.  $\text{CuMnO}_4$  \_\_\_\_\_

6.  $\text{KIO}_3$  \_\_\_\_\_

7.  $\text{ClO}_2$  \_\_\_\_\_

8.  $\text{TiH}_4$  \_\_\_\_\_

9.  $\text{HCl}(\text{g})$  \_\_\_\_\_

10.  $\text{As}(\text{HSO}_4)_3$  \_\_\_\_\_

11.  $\text{SO}_3$  \_\_\_\_\_

12.  $\text{Fe}(\text{OH})_2$  \_\_\_\_\_

13.  $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$   
(i.e.  $\text{C}_4\text{H}_{10}$ ) \_\_\_\_\_

14.  $\text{CH}_3(\text{CH}_2)_6\text{CH}_3$   
(i.e.  $\text{C}_8\text{H}_{18}$ ) \_\_\_\_\_

Name: \_\_\_\_\_

Section: \_\_\_\_\_

D. Provide a formula for the following names:

1. tungsten(V) phosphide \_\_\_\_\_

2. gallium nitrate \_\_\_\_\_

3. carbonic acid \_\_\_\_\_

4. xenon hexachloride \_\_\_\_\_

5. hydrosulfuric acid \_\_\_\_\_

6. lithium dihydrogen phosphite \_\_\_\_\_

7. nonane \_\_\_\_\_

8. lead(IV) oxalate \_\_\_\_\_

9. phosphoric acid \_\_\_\_\_

10. dinitrogen tetroxide \_\_\_\_\_

11. sodium selenate \_\_\_\_\_

12. sodium bicarbonate \_\_\_\_\_

13. hypobromous acid \_\_\_\_\_

14. zinc oxide \_\_\_\_\_