

Name: _____

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Workshop #3: Nomenclature

A. Provide a chemical name for the following formulas:

1. CuSO_3 _____

2. Hg_2Cl_2 _____

3. BaCr_2O_7 _____

4. NO _____

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

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

7. NaHCO_3 _____

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

9. CsClO_2 _____

10. Ag_3PO_3 _____

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

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

13. I_2O_7 _____

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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 _____

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C. Provide a chemical name for the following formulas:

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

2. PbC_2O_4 _____

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

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

5. CuMnO_4 _____

6. KIO_3 _____

7. ClO_2 _____

8. TiH_4 _____

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

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

11. SO_3 _____

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

13. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$
(i.e. C_4H_{10}) _____

14. $\text{CH}_3(\text{CH}_2)_6\text{CH}_3$
(i.e. C_8H_{18}) _____

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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 _____