

# Chemistry 20 - Science 10 Review - Nomenclature

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

1. Write names for each of the following chemical compounds.

- a.  $\text{TaBr}_{5(s)}$  solid tantalum bromide
- b.  $\text{Y}_2\text{S}_3(\text{aq})$  aqueous yttrium sulfide
- c.  $\text{In}_2\text{Se}_3(\text{l})$  liquid indium selenide
- d.  $\text{C}_6\text{H}_{6(\text{l})}$  liquid hexacarbon hexahyride
- e.  $\text{C}_6\text{H}_{12}\text{O}_6(\text{aq})$  aqueous glucose
- f.  $\text{Po}(\text{NO}_3)_2(\text{aq})$  aqueous polonium(II) nitrate
- g.  $\text{Cr}(\text{ClO}_2)_3(\text{l})$  liquid chromium(III) chlorite
- h.  $\text{C}_5\text{H}_{10(\text{g})}$  gaseous pentacarbon decahydride

2. Write formulas for each of the following chemical compounds.

- a. solid zirconium arsenide  
 $\text{Zr}_3\text{As}_2(\text{s})$
- b. solid antimony (V) fluoride  
 $\text{SbF}_5(\text{s})$
- c. aqueous europium (III) carbide  
 $\text{Eu}_2(\text{C}_2)_3(\text{aq})$
- d. liquid iridium dihydrogen phosphate  
 $\text{Ir}(\text{H}_2\text{PO}_4)_4(\text{l})$
- e. gaseous einsteinium thiocyanate  
 $\text{Ei}(\text{SCN})_3(\text{g})$
- f. liquid sucrose  
 $\text{C}_{12}\text{H}_{22}\text{O}_{11}(\text{l})$
- g. solid tetracarbon hexahydride  
 $\text{C}_4\text{H}_6(\text{s})$
- h. gaseous dinitrogen monoxide  
 $\text{N}_2\text{O}(\text{g})$