

1) Name the following (NO PREFIXES):

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|-------------------------------------|--------------------------------------|
| a) BaF_2 Barium Fluoride | b) $Li_2(SO_4)$ Lithium Sulfate |
| c) Cu_2O_3 Copper (III) Oxide | d) $(NH_4)Cl$ Ammonium Chloride |
| e) PbF_4 Lead (IV) Fluoride | f) $Cu(NO_3)_3$ Copper (III) Nitrate |
| g) $Pb(CO_3)_2$ Lead (IV) Carbonate | h) $Ca_3(PO_4)_2$ Calcium Phosphate |
| i) Hg_3N_2 Mercury (II) Nitride | j) $Na_2(SO_3)$ Sodium Sulfite |
| k) $Mg(NO_2)_2$ Magnesium Nitrite | l) $Ba(OH)_2$ Barium Hydroxide |
| m) $Sr(CN)_2$ Strontium Cyanide | |

2) Name the following compounds comprised of two nonmetals.

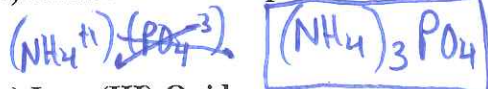
- | | | |
|------------------------------------|--|--|
| a) CO_2
Carbon dioxide | b) $AsCl_4$
Arsenic tetrachloride | g) H_2O (hint: NOT water)
dihydrogen monoxide |
| c) CO
Carbon monoxide | d) As_2O_5
diarsenic pentoxide | |
| e) N_2O_3
dinitrogen trioxide | f) PBr_5
phosphorous pentabromide | |

3) Give formulas for the following:

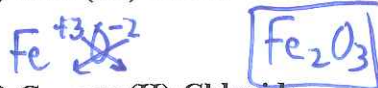
a) Barium Nitride



c) Ammonium Phosphate



e) Iron (III) Oxide



g) Copper (II) Chloride



i) dinitrogen tetraoxide



k) Aluminum Bromide



b) Lithium Sulfide



d) Sodium Permanganate



f) Lead (IV) Oxide



h) Potassium Nitrate



j) Silver Nitrite (hint Silver is +1)



l) Zinc Sulfate (hint Zinc is +2)



* KNOW YOUR IONS * (your formulas will be wrong for now → everything will be off later... you must be able to write formulas in order to balance a reaction and use the balanced equation)
GO VIKINGS!!!