

Quiz 2: Nomenclature and the Periodic Table (10 pts)

1. For each of the following, give the appropriate formula (4 pt):

- a. phosphoric acid H_3PO_4
- b. potassium carbonate K_2CO_3
- c. diphosphorus pentoxide P_2O_5
- d. copper (II) acetate tetrahydrate $Cu(C_2H_3O_2)_2 \cdot 4H_2O$

2. For each of the following write the appropriate name (4 pt):

- a. $Cr(NO_3)_2 \cdot 3H_2O$ chromium(II) nitrate trihydrate
- b. $SeBr_4$ selenium tetrabromide
- c. Li_2O_2 lithium peroxide
- d. $NaHSO_4$ sodium hydrogen sulfate

3. Write the **name** of the alkaline earth metal in the 3rd period. (1 pt)

magnesium

4. Identify the special group(s) of elements that gadolinium is a member of (as many as you can!) (1 pt)

Gd!

lanthanides
metals