

### CP Molar Mass and % Comp Practice

Work these problems out on paper!

1. a. Calculate the molar mass of magnesium nitrate (Mg(NO3)2).

\_\_\_\_\_ g/mol

b. What is the %N in magnesium nitrate?

2. a. Calculate the molar mass of lead(IV) oxide, (PbO2).

\_\_\_\_\_ g/mol

b. What is the percent by mass of lead in lead(IV) oxide, (PbO2)?

c. What is the percent by mass of oxygen in lead(IV) oxide (PbO2)?

3. a. Calculate the molar mass of disilicon heptafluoride (Si2F7).

b. Calculate the percent composition of disilicon heptafluoride.

\_\_\_\_\_ % Si \_\_\_\_\_ % F

4. What is the percent by mass of oxygen in tricarbon nonaoxide (C3O9)?

5. What is the percent composition of zinc phosphide (Zn3P2)?

\_\_\_\_\_ %Zn \_\_\_\_\_ %P

6. What is the percent chlorine in calcium chlorate (Ca(ClO3)2)?