

CP Molar Mass and % Comp Practice

Work these problems out on paper!

1. a. Calculate the molar mass of magnesium nitrate ($\text{Mg}(\text{NO}_3)_2$).

_____ g/mol

- b. What is the %N in magnesium nitrate?

2. a. Calculate the molar mass of lead(IV) oxide, (PbO_2).

_____ g/mol

- b. What is the percent by mass of lead in lead(IV) oxide, (PbO_2)?

- c. What is the percent by mass of oxygen in lead(IV) oxide (PbO_2)?

3. a. Calculate the molar mass of disilicon heptafluoride (Si_2F_7).

- b. Calculate the percent composition of disilicon heptafluoride.

_____ % Si _____ % F

4. What is the percent by mass of oxygen in tricarbon nonaoxide (C_3O_9)?

5. What is the percent composition of zinc phosphide (Zn_3P_2)?

_____ %Zn _____ %P

6. What is the percent chlorine in calcium chlorate ($\text{Ca}(\text{ClO}_3)_2$)?