

1. Name these compounds:

$\text{Ca}(\text{NO}_2)_2$  \_\_\_\_\_

$\text{LiOH}$  \_\_\_\_\_

$\text{Na}_2\text{O}_2$  \_\_\_\_\_

$(\text{NH}_4)_2\text{S}$  \_\_\_\_\_

$\text{Cu}_2\text{O}$  \_\_\_\_\_

2. What is the correct name for  $\text{CaCO}_3$ ? \_\_\_\_\_

3. What numbers go with these prefixes?

We only use these when there are two non metals.

Di \_\_\_\_\_

Penta \_\_\_\_\_

Octa \_\_\_\_\_

Tri \_\_\_\_\_

Hexa \_\_\_\_\_

Nona \_\_\_\_\_

Tetra \_\_\_\_\_

Hepta \_\_\_\_\_

Deca \_\_\_\_\_

4. Name these compounds (there are 2 non metals)

$\text{PCl}_5$  \_\_\_\_\_

$\text{N}_2\text{O}_5$  \_\_\_\_\_

$\text{NO}_2$  \_\_\_\_\_

$\text{SO}_3$  \_\_\_\_\_

$\text{N}_2\text{O}$  \_\_\_\_\_

5. What is the correct name for  $\text{Mg}(\text{NO}_3)_2$  \_\_\_\_\_

6. What is the correct formula for lithium phosphate? \_\_\_\_\_

7. What is the correct name for  $\text{Co}_3(\text{PO}_4)_2$ ? \_\_\_\_\_

8. Write the correct symbols for  
proton \_\_\_\_\_

neutron \_\_\_\_\_

electron \_\_\_\_\_

9. What does the number under each element mean? \_\_\_\_\_

10. There are two isotopes of copper.

$^{63}\text{Cu}$  has a mass of 62.9296 amu

$^{65}\text{Cu}$  has a mass of 64.9278 amu

The weighted average mass of both isotopes of Copper is 63.546 amu

What is the percent of each isotope?