



Name: _____ Period: _____

Assigned on Tuesday, March 10, 2026

10.2 Percent Composition

Due Wednesday, March 11, 2026

What is the percent composition of each of the following compounds? You must show your work for credit!

1. CuF_2 % Cu _____ % F _____

2. H_2O % H _____ % O _____

3. $\text{Ni}(\text{NO}_3)_3$ % Ni _____ % N _____ % O _____

4. If a substance contains only 9.28 g of carbon and 24.72 g of oxygen what is the percent composition of the substance?

5. A substance contains 28.67 g of carbon, 7.23 g of hydrogen, and 19.10 g of oxygen. What is its percent composition?

6. You find a 183 g sample of Ag_2O while you are on a hike. You perform a reaction to isolate the silver. What mass of silver will you get from the 183 g sample of Ag_2O ? (HINT: You must determine the percent composition first!)