

U6LM1B-WS Percent Composition

Name: _____

1. In order to calculate the percent composition of a compound such as oleic acid, one needs to look up _____. The percent composition of a sample of 20.0 g oleic acid will be (higher, lower or the same) as a sample of 50.0 g oleic acid.
2. Calculate the percent by mass of phosphorous in sodium phosphate.
3. Calculate the percent by mass of nitrogen in ammonium sulfate.
4. Calculate the percent composition of glucose, $C_6H_{12}O_6$.
5. A substance is 35.7% carbon by mass. How many grams of this substance are needed to obtain 4.50 moles of C?
6. A substance is 52.02% chlorine and 47.98% zinc by mass. What mass of this substance contains 83.00 g of chlorine?