

Moles, Molecules, and Grams Worksheet

- 1) How many molecules are there in 24 grams of FeF_3 ?
- 2) How many molecules are there in 450 grams of Na_2SO_4 ?
- 3) How many grams are there in 2.3×10^{24} atoms of silver?
- 4) How many grams are there in 7.4×10^{23} molecules of AgNO_3 ?
- 5) How many grams are there in 7.5×10^{23} molecules of H_2SO_4 ?
- 6) How many molecules are there in 122 grams of $\text{Cu}(\text{NO}_3)_2$?
- 7) How many grams are there in 9.4×10^{25} molecules of H_2 ?
- 8) How many molecules are there in 230 grams of CoCl_2 ?
- 9) How many molecules are there in 2.3 grams of NH_4SO_2 ?
- 10) How many grams are there in 3.3×10^{23} molecules of N_2I_6 ?

Percentage Composition Worksheet

Give the % composition of all elements in these compounds.

ammonium sulfite % N _____

% H _____

% S _____

% O _____

2) aluminum acetate % Al _____

% C _____

% H _____

% O _____

3) sodium bromide % Na _____

% Br _____

4) copper (II) hydroxide % Cu _____

% O _____

% H _____

5) magnesium carbonate % Mg _____

% C _____

% O _____

6) iron (II) phosphate % Fe _____

% P _____

% O _____

7) beryllium nitride % Be _____

% N _____

8) potassium cyanide % K _____

% C _____

% N _____

9) manganese (III) nitrate % Mn _____

% N _____

% O _____

10) lithium phosphide % Li _____

% P _____

11) nickel (III) sulfate % Ni _____

% S _____

% O _____