

Name _____

Date _____ Hour _____

Chemistry

Percent Composition Worksheet

% Comp WS

Determine the % composition of all elements in these compounds. Show all work!

1) **ammonium sulfite** Mass of N _____ % N _____
Formula _____ Mass of H _____ % H _____
Molar mass _____ Mass of S _____ % S _____
 Mass of O _____ % O _____

2) **aluminum acetate** Mass of Al _____ % Al _____
Formula _____ Mass of C _____ % C _____
Molar mass _____ Mass of H _____ % H _____
 Mass of O _____ % O _____

3) **sodium bromide** Mass of Na _____ % Na _____
Formula _____ Mass of Br _____ % Br _____
Molar mass _____

4) **copper (II) hydroxide** Mass of Cu _____ % Cu _____
Formula _____ Mass of O _____ % O _____
Molar mass _____ Mass of H _____ % H _____

5) **magnesium carbonate** Mass of Mg _____ % Mg _____
Formula _____ Mass of C _____ % C _____
Molar mass _____ Mass of O _____ % O _____

6) **iron (III) phosphate** Mass of Fe _____ % Fe _____
Formula _____ Mass of P _____ % P _____
Molar mass _____ Mass of O _____ % O _____

7) **beryllium nitride** Mass of Be _____ % Be _____
Formula _____ Mass of N _____ % N _____
Molar mass _____

8) **potassium cyanide** Mass of K _____ % K _____
Formula _____ Mass of C _____ % C _____
Molar mass _____ Mass of N _____ % N _____

9) **manganese (III) nitrate** Mass of Cu _____ % Cu _____
Formula _____ Mass of O _____ % O _____
Molar mass _____ Mass of H _____ % H _____

10) **lithium phosphide** Mass of Li _____ % Li _____
Formula _____ Mass of P _____ % P _____
Molar mass _____

11) **nickel (III) sulfate** Mass of Ni _____ % Ni _____
Formula _____ Mass of S _____ % S _____
Molar mass _____ Mass of O _____ % O _____
