

Molecules, Compounds and Chemical Formulae

1. Are the following materials elements or compounds? Remember, elements are made of only one type of atom. You should know where to look for a list of those...
 - a. Oxygen
 - b. Water
 - c. Wood
 - d. Air
 - e. Iron
 - f. Steel
 - g. Ice
 - h. Stone
 - i. Lead
 - j. Copper
 - k. Gold
 - l. Bronze

2. Which atoms, and how many of each are found in these compounds?
 - a. C_3H_8
 - b. H_2O_2
 - c. $CuCl_2$
 - d. XeF_6
 - e. Fe_2O_3
 - f. $BaCO_3$
 - g. PCl_3
 - h. $C_2H_4O_2$
 - i. $C_6H_{12}O_6$
 - j. $C_2H_7N_2$

Advanced Compounds and Formulae

(Only for the very brave).

1. Which atoms, and how many of each are found in these compounds?
 - a. $Mg(OH)_2$
 - b. $(NH_4)_2O$
 - c. $Ba_3(PO_4)_2$
 - d. $Al_2(Cr_2O_7)_3$
 - e. $Ca(MnO_4)_2$