PARTS OF THE ATOM

Name _____ (53)

Using the Periodic Table of the Elements, determine the number of protons, neutrons and electrons in each of the following atoms. Draw a model of the atom showing the electrons in the proper energy levels.

1. $^{1}_{1}H$
   ___ protons
   ___ neutrons
   ___ electrons

2. $^{12}_{6}C$
   ___ protons
   ___ neutrons
   ___ electrons

3. $^{23}_{11}Na$
   ___ protons
   ___ neutrons
   ___ electrons

4. $^{31}_{15}P$
   ___ protons
   ___ neutrons
   ___ electrons

5. $^{16}_{8}O$
   ___ protons
   ___ neutrons
   ___ electrons

NUMBER OF ATOMS IN A FORMULA

Name _____

Determine the number of atoms in the following chemical formulas.

		Atoms	Elements
1.	$NaCl$		
2.	H_2SO_4		
3.	KNO_3		
4.	$CaCl_2$		
5.	C_2H_6		
6.	$Ba(OH)_2$		
7.	NH_4Br		
8.	$Ca_3(PO_4)_2$		
9.	$Al_2(SO_4)_3$		
10.	$Mg(NO_3)_2$		
11.	$Cu(NO_3)_2$		
12.	$KMnO_4$		
13.	H_2O_2		
14.	H_3PO_4		
15.	$(NH_4)_3PO_4$		
16.	Fe_2O_3		
17.	$NaC_2H_3O_2$		
18.	$Mg(C_2H_3O_2)_2$		
19.	Hg_2Cl_2		
20.	K_2SO_3		