Tutorial_0010

1. Practice assigning oxidation numbers to each atom in different compounds.
   See problems at the end of UNIT 5:
   http://nobel.scas.bcit.ca/chem0010/unit5/predoxa.htm

2. Draw Lewis structures for the following compounds and determine if their bond is polar, nonpolar or ionic.
   (electronegativity values of the elements are the following: EN (Na)= 0.9, EN(O) =3.5; EN(H)= 2.1; EN(F)=1.8; EN(Cl)=3.0; EN(S)=2.5; EN(N)=3.0)

   a. HCl

   b. H2O

   c. O2

   d. NaCl

   e. SO2

   f. NO

3. Name or write the formula for the following compounds:

   a. Na2SO4 _____
   b. Mg(OH)2 _____
   c. AlPO4 _____
   d. HCl _____
   e. NaOH _____

   f. potassium acetate_____
   g. Calcium chloride _____
   h. sulphur (IV) oxide_____
   i. Hydrogen peroxide _____
   k. Sodium carbonate _____