Toxins at Work HW

Read and outline (Cornell style) **Section 10.2** in your chemistry textbook. Then answer the following assessment questions. ****Your section outline must be at least ½ page and have 3-4 questions. IF YOU ALREADY HAVE AN ADEQUATE SECTION OUTLINE FROM THE "SCRUB THE AIR HOMEWORK," PLEASE DO NOT REDO IT. SHOW ME YOUR ½ PAGE OUTLINE FROM THAT HOMEWORK, IT WILL SUFFICE.** ☺

1. What are the 5 classes of chemical reactions?
2. Identify two characteristics of combustion reactions.
3. Compare and contrast single-replacement and double-replacement reactions.
4. Predict the products for the following reactions, the balance the equations:
    a. $K + ZnCl_2 \rightarrow$
    b. $Cl_2 + HF \rightarrow$
    c. $Fe + Na_3PO_4 \rightarrow$
    d. $H_2 + Cl_2 \rightarrow$
    e. $Be + F_2 \rightarrow$
    f. $CaS + O_2 \rightarrow$
    g. $NaI + Br_2 \rightarrow$
    h. $Al + Pb(NO_3)_2 \rightarrow$
    i. $Na_2O + MgCl_2 \rightarrow$
5. Write a balanced equation for the following reactions:
    a. Aqueous lithium iodide and aqueous silver(I) nitrate react to produce solid silver (I) iodide and aqueous lithium nitrate.
    b. Aqueous barium chloride and aqueous potassium carbonate react to produce solid barium carbonate and aqueous potassium chloride.