Practice Chemistry Test Balancing Equations

Balance the following equations:

1.	$Zn + S_8 \rightarrow ZnS$
2.	$Mg_3N_2 + H_2O \rightarrow MgO + NH_3 $
3.	$FeCl_2 + Na_3PO_4 \rightarrow Fe_3 (PO_4)_2 + NaCl \ $
4.	$NH_3 + O_2 \rightarrow H_2O + NO$
Name	what kind of reaction each of the preceding reactions are:
1.	# 1 is (are)
2.	# 2 is (are)
3.	# 3 is (are)

4. # 4 is (are)_____

Write the balanced equations for the combustion of methane gas.

Write the balanced equation for the reaction between copper and hydrochloric acid.