

Chemical Equations Practice:

name: SOLUTIONS

- 1) Write the 3 chemical equations (balanced) involved with the formation of Acid rain from the emission of Sulfur by industries.

Step1: Sulfur combines with O_2 in the atmosphere to produce Sulfur dioxide



Step2: Sulfur dioxide combines with more O_2 in the atmosphere to produce Sulfur trioxide



Step3: Sulfur trioxide combines with water vapor in the atmosphere to produce Sulfuric Acid H_2SO_4 (which falls as acid rain)

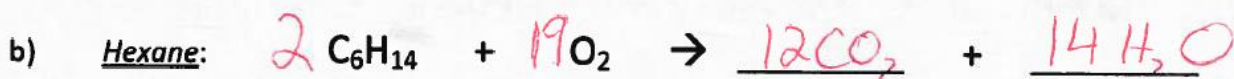
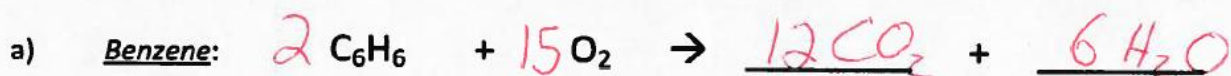


- 2) Complete the following Photosynthesis equation. Don't forget to balance!

When water combines with carbon dioxide and energy from the sun, a plant will produce sugar ($C_6H_{12}O_6$) as well as oxygen gas which is released into the environment.

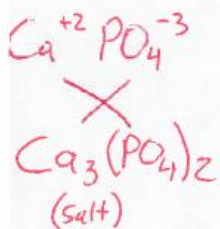
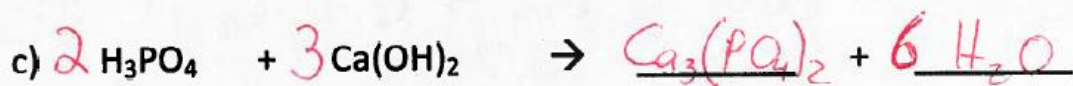
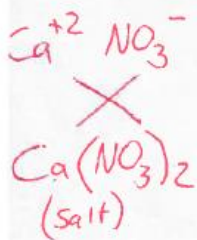
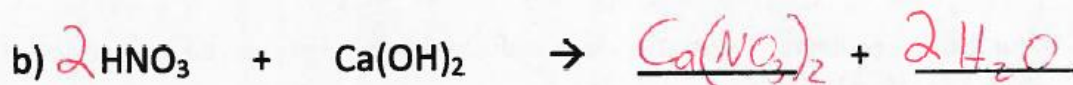
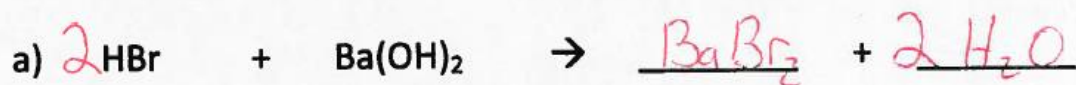


- 3) Complete the following chemical equations involving the burning of fuels:

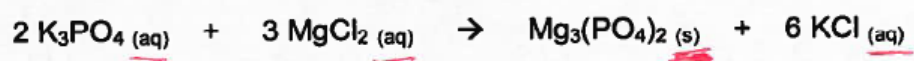


4) Complete the following reactions:
(Don't forget to always balance)

What types of reactions are a) b) and c) : Neutralizations



5) What type of reaction is the following: Precipitate Reaction



6) Complete the following and balance:

