

Balancing Chemical Equations

Quiz Prep

-Show all of your work using the "Tree Method"

1. Solid sodium hydroxide and solid calcium bromide react to produce solid calcium hydroxide and solid sodium bromide.
 - a. Write the skeleton equation then balance it (show your work)
 - b. Classify the reaction (what type of reaction is it?).
2. Solid Iron reacts with gaseous oxygen to form solid iron(III) oxide.
(*This is rust!*)
 - a. Write the skeleton equation then balance it (show your work)
 - b. Classify the reaction (what type of reaction is it?).
3. Aqueous silver nitrate and aqueous sodium sulfide react to form solid silver sulfide and aqueous sodium nitrate.
 - a. Write the skeleton equation then balance it (show your work)
 - b. Classify the reaction (what type of reaction is it?).
4. Liquid Ethanol burns in the presence of oxygen.
 - a. Predict the products of this reaction.
 - b. Classify the reaction (what type of reaction is it?).
 - c. Write the skeleton equation then balance it (show your work)
5. Fluorine gas is combined with solid sodium bromide. Will they react?
 - a. Classify the reaction (what type of reaction is it?).
 - b. Will this reaction occur? yes/no; If so, continue to "c" below.
 - c. Write the skeleton equation then balance it (show your work)