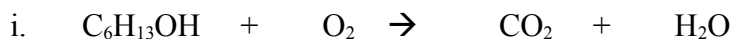
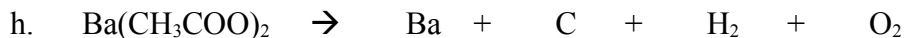
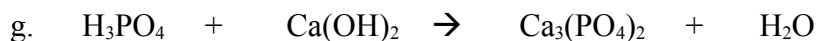
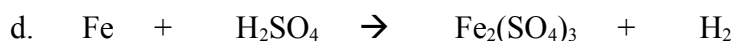
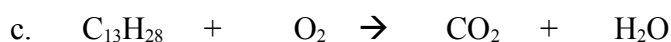
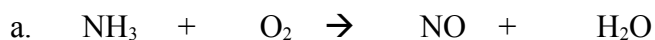


Name _____

Chemistry 11 – Balancing Chemical Equations

1. Balance the following equations



2. Write a **balanced chemical equation** for each of the following.
Don't forget *diatomic* elements!

a. aluminum metal reacts with bromine to form aluminum bromide

Answer _____

b. hydrochloric acid neutralizes aluminum hydroxide to form water & aluminum chloride

Answer _____

c. hexane (C_6H_{14}) burns in oxygen to produce carbon dioxide and water

Answer _____

d. carbon dioxide and water are reacted to produce glucose ($C_6H_{12}O_6$) and oxygen in photosynthesis

Answer _____

e. aluminum nitrate reacts with lithium sulphate to form aluminum sulphate and lithium nitrate

Answer _____

f. ammonia and phosphoric acid react to form ammonium phosphate

Answer _____

g. nitrogen dioxide reacts with water to form nitric acid and nitrogen monoxide

Answer _____

h. bromine reacts with sodium iodide to produce iodine and sodium bromide

Answer _____

i. calcium reacts in water to produce hydrogen gas and calcium hydroxide

Answer _____

j. butanol (C_4H_9OH) burns in oxygen to produce carbon dioxide and water

Answer _____

k. hydrogen peroxide decomposes to form water and oxygen gas

Answer _____

l. aluminum bromide reacts with ammonium dichromate to produce aluminum dichromate and ammonium bromide

Answer _____