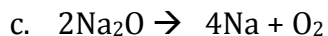
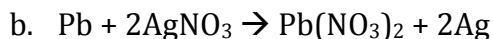


Name _____

Chem V20 Reactions Practice 2 Ver B

1. Indicate the kind of reaction each of the following is an example of (combination, decomposition, single replacement, double replacement)

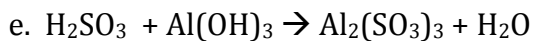
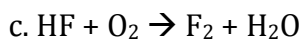
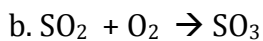
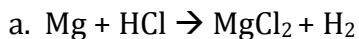


2. If you wanted to balance the equation

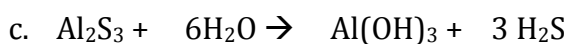
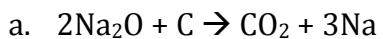


can you change the subscript in H_2O to make it H_2O_2 ? Why does this not work? Explain why doing so would be incorrect.

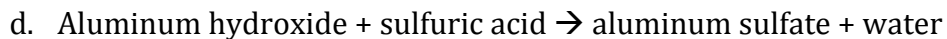
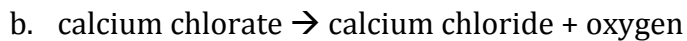
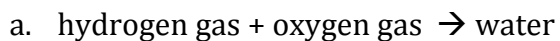
3. **Balance** the following reactions using the correct coefficients.



4. Determine if the following are correctly balanced. If they are **not**, **fix them** by changing the coefficients.



5. Convert the following from words to chemical formulas. Then, balance the equation



e. Nitrous acid + beryllium hydroxide \rightarrow beryllium nitrite + water

f. Silver nitrate + magnesium chloride \rightarrow silver chloride + magnesium nitrate

g. iron + oxygen gas \rightarrow iron (III) oxide

h. calcium + oxygen \rightarrow calcium oxide

6. Indicate if the following compounds are soluble in water or insoluble in water.

a. NaBr

b. Fe(OH)₃

c. CaS

d. BaSO₄

e. AgNO₃