

Predicting Products & Identifying Reactions

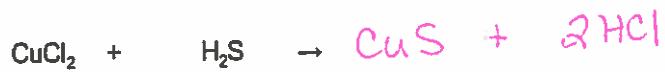
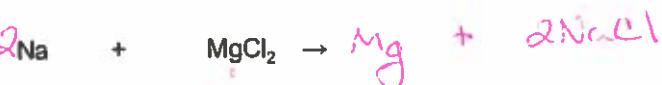
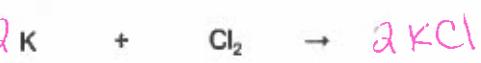
Practice III

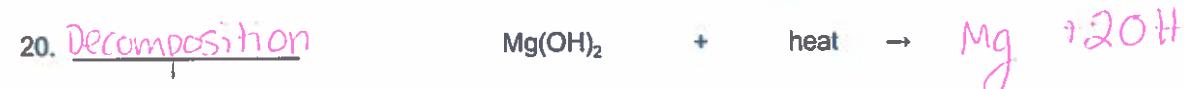
Learning Target

Describe the steps of writing and balancing a chemical equation.

Describe the five general types of reactions.

Directions: For each of the following, identify the type of reaction, predict the products, and balance the equation.

1. Synthesis**2. Double Replacement****3. Double Replacement****4. Decomposition****5. Single Replacement****6. Single Replacement****7. Double Replacement****8. Synthesis****9. Double Replacement****10. Double Replacement****11. Decomposition**



Directions: List the 5 types of chemical reactions. Then give a brief description of how you can identify each reaction by only looking at the reactants.

Synthesis = 2 elements

Decomposition = 1 compound

Single Replacement = 1 element + 1 compound

Double Replacement = 2 compounds

Combustion = oxygen + hydrocarbon