

ch-5

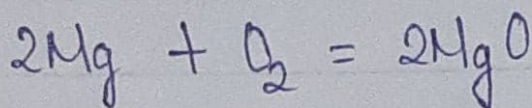
Chemical

Language of chemistry
Home assignment

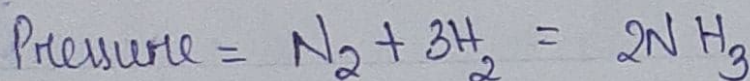
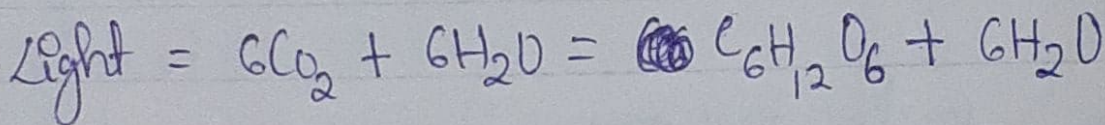
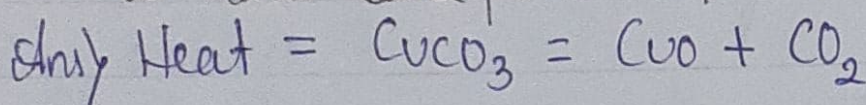
1) What do you mean by chemical reaction?
Give one example in support of your answer.

Ans) Any chemical change in matter which involves its transformation into one or more new substances is called a chemical reaction. It also involves transfer of energy.

Ex - Oxygen and magnesium combine in a chemical reaction to form a white powder of magnesium oxide.



2) Mention any three conditions for the reaction to take ~~over~~ place. Give example for each.



3) Give an example for the reaction that takes place in the presence of heat. Write the word equation.

Ans) Heat = some reactants need to be heated to undergo a chemical change.

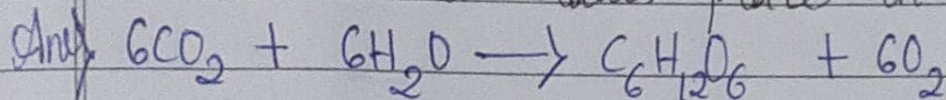
Iron + sulphur $\xrightarrow{\text{heat}}$ Iron sulphide.

4) What do you mean by catalyst? Give an example.

Ans) A catalyst is a substance which changes the rate of a chemical reaction without itself undergoing any chemical change.

Ex = potassium chlorate $\xrightarrow{\text{Magnesium oxide}}$ potassium chloride + oxygen

5) Write the chemical reaction equation for a reaction that takes place in the presence of light.



(in the presence of sunlight)