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12-12-21

Language of Chemistry

Home Assignment

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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-

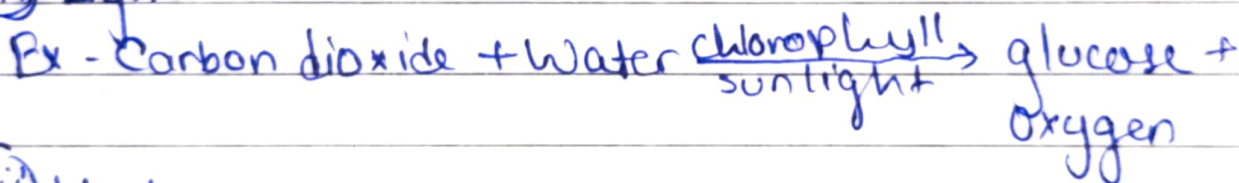


2) Mention any 3 conditions of reaction to take place. Give example for each.

Ans (i) Close contact -

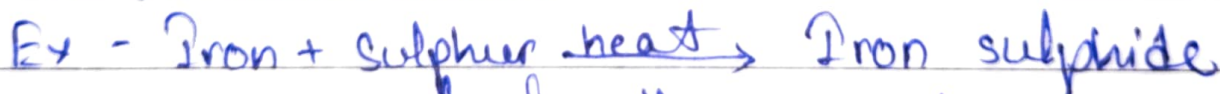


(ii) Light -



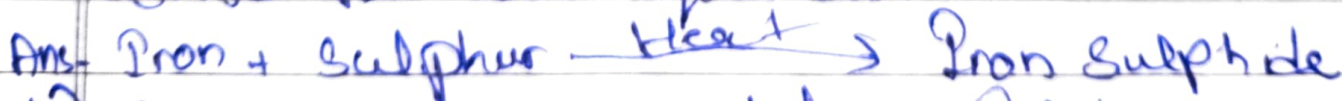
(iii) Heat -

~~Ex- Potassium chlorate~~



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

Write the word equation.



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

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

Ex- Potassium Magnesium dioxide Potassium + Oxygen
chlorate chloride

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

Ans. Carbon dioxide + water $\xrightarrow[\text{Sunlight}]{\text{chlorophyll}}$ glucose + oxygen.