* Decomposition of calcium carbonate: heat energy absorbed. Conditions necessary for reaction 1. Close Contact 2Na + 2HO -> 2NaOH + HZ a. Solution form Nacl ag + AgNOz (ag) -> Agcl +
Nathoz (ag) 3. Heat energy Fe + S = Fe& mon sulphide. 4. Light knongy Themical neactions which the presence of light, are called photochemical eg: Photosynthesis Sunlight 6(0) + 6HO => GH1206+602

5. Electricity 2 HD electricaty 2 HD + O2 Chemical reactions which is passed through the reactant, are called electrochemical reactions 6. Pressure No + 3 Ho DNH3 7. Catalyst A calalyst is a sulest ance that changes the nate of a chemical reaction without itself undingoing any chemical charige durning the neaction. · When a catalyst increases the rate of chemical neaction, it is known as a positive catalyst. example inon acts as a positive catalyst in the

manufacture of ammoria from hydrogen and nitrogen. eg. elithen a cotalyst decreases the rate of a chimical reaction, it is known as negetive catalyst. Example * Phosphoric acid acts
as a negitive catalyst
in the decomposition of
hydrogen peroxide. Promoters Substances that improve the efficiency and of a called promoters. MOLYBORNOM acts as a promote lo increase the efficiency of cotalyst mon, in the formation of ammonia Fraymes Engymes are the complex organic compounds made up of protein units.

eg: Maltase, Pepsin, Amylase -0-0as-