## Mind map

Explanation based on collision theory The minimum amount Concentration of energy that particles Temperature must have when they Surface area collide in order to react Pressure Factors affecting rates Activation energy of reaction Looking at the gradient Mean rate Rates of reaction of rate graphs THE RATE AND Catalysts EXTENT OF CHEMICAL REACTIONS Species that speed up chemical reactions but are not used up during Reactions that can the reaction go forwards and Reversible reactions backwards Providing an Equilibrium is when the rate of the alternative reaction forward reaction is the same as the pathway of lower rate of the reverse reaction activation energy Factors affecting equilibrium position: concentration temperature pressure

Le Chatelier's principle