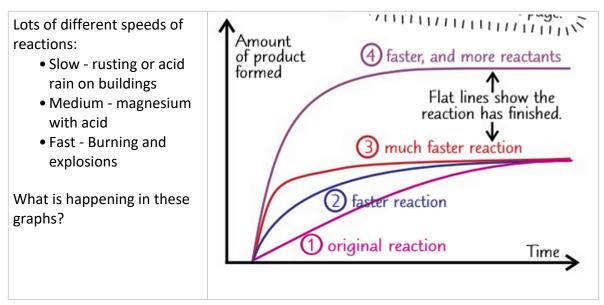
17 February 2020 09:57



Rates of reaction is all about collisions:

You need a collision for a reaction to occur. And you need enough energy to break the bonds in the reactants - this is called the 'Activation Energy'.

You can speed up the reaction by:

- Increasing the temperature
- Increasing the concentration (so more particles in the solvent) or pressure if a gas
- Increasing the Surface area
- Using a catalyst

Catalysts

rina ia a reaction profile. There's more on these on p.139. Speed up reactions without Energy taking part in them - so they are not part of the equation for Without Catalyst the reaction With Activation energy Work by decreasing the without a catalyst Catalyst activation energy by providing an alternative pathway through Reactants the reaction Biological catalysts are called Activation energy enzymes with a catalyst Products Progress of Reaction