

4 Ways to change the rate of a chemical reaction

1. change the temperature
2. change the surface area
3. change the concentration of the reactants
4. add a catalyst: a substance that speeds up the rate of a chemical reaction without being used up.

Activation energy: energy needed to get a chemical reaction started

For example: I have to light the match to start the chemical reaction!

Jumping Flame Demo

Hydrocarbon + oxygen gas yields carbon dioxide and water