reaction.md 4/8/2021

Reaction

Reaction Rates

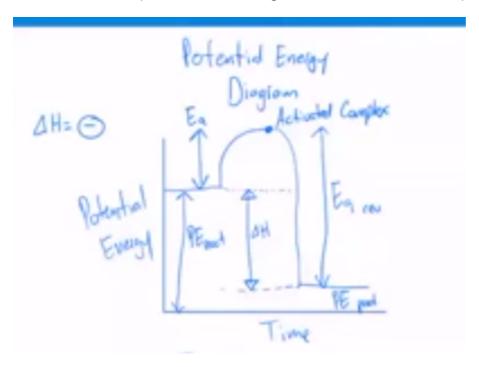
• rate = how fast something occurs

collision theory

• atoms ions molecules can form chemical bond when they collide if particles have enough kinetic energy + correct orientation

Potential Energy Diagrams

- PE diagrams = map energy changes over course of chemical reaction
- activation energy = minimum amount of energy colliding particles must have to reorganize
- activated complex = unstable arrangement of atoms that forms top of activation energy barrier



Speeding up reaction

- shrink container or increase concentration
- increase particle numbers
- speed up particles by adding heat
- break up clumps into individual particles
- use catalyst