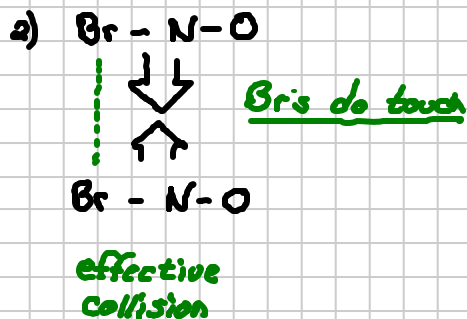
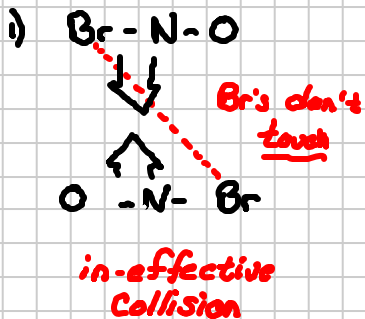
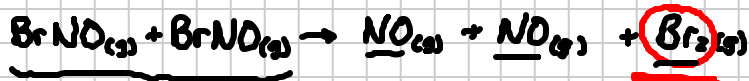
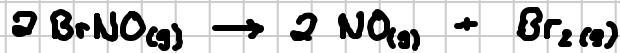
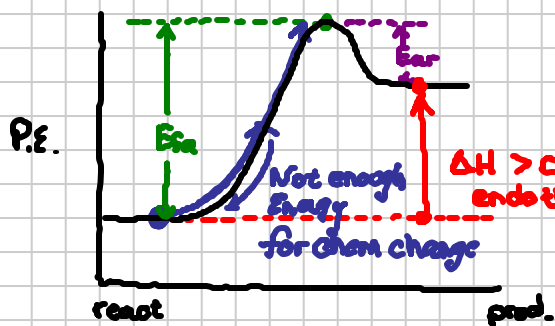
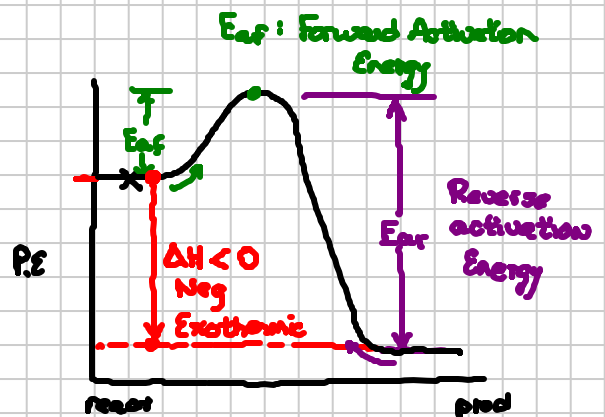
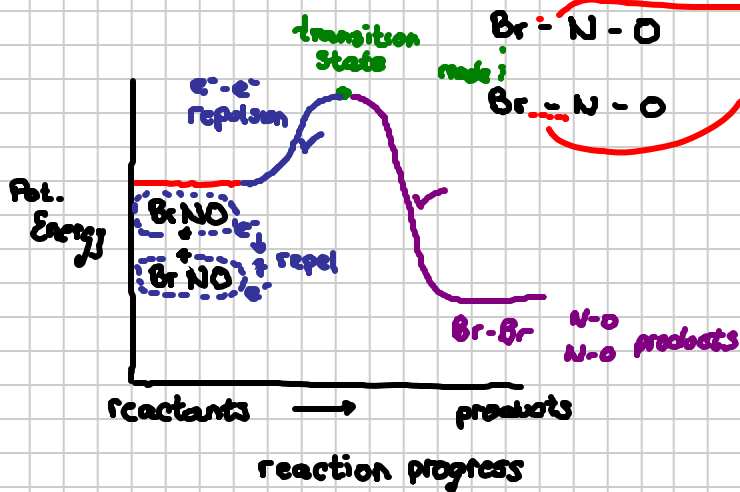


Chemistry occurs when we have collisions! What is colliding?
 atoms & molecules



Effective Collisions occur with orientations that favor product formation, with enough energy to produce bond making & breaking



~~$\Delta H_{rxn} = E_{af} - E_{ar}$~~ ☹️
 $\Delta H_{rxn} = E_{af} - E_{ar}$

Boltzman dist. of kinetic energies & abundance.

