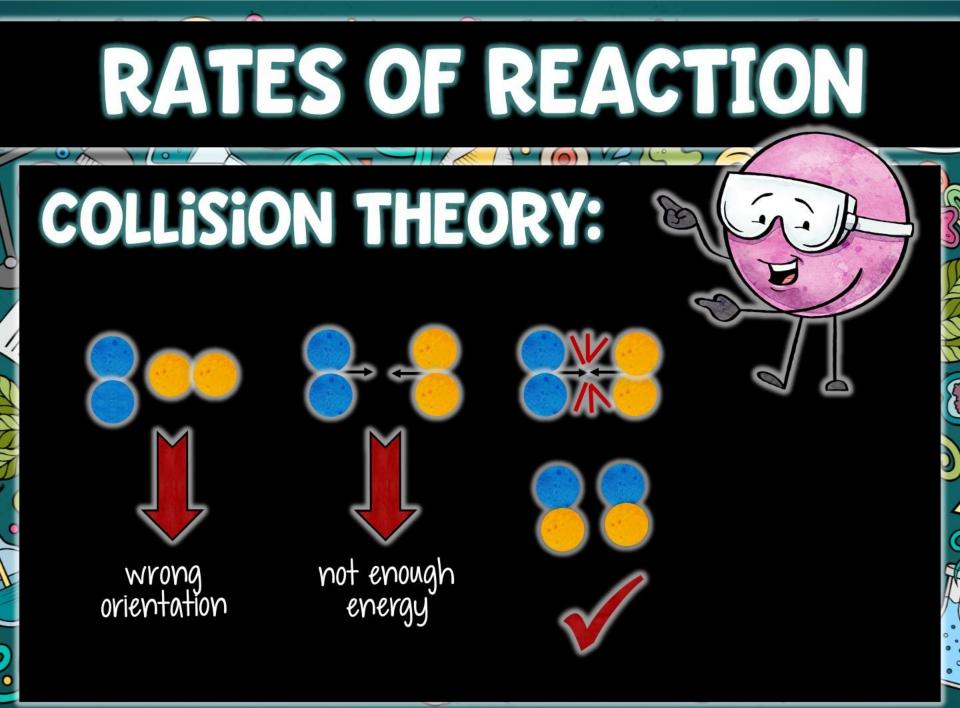
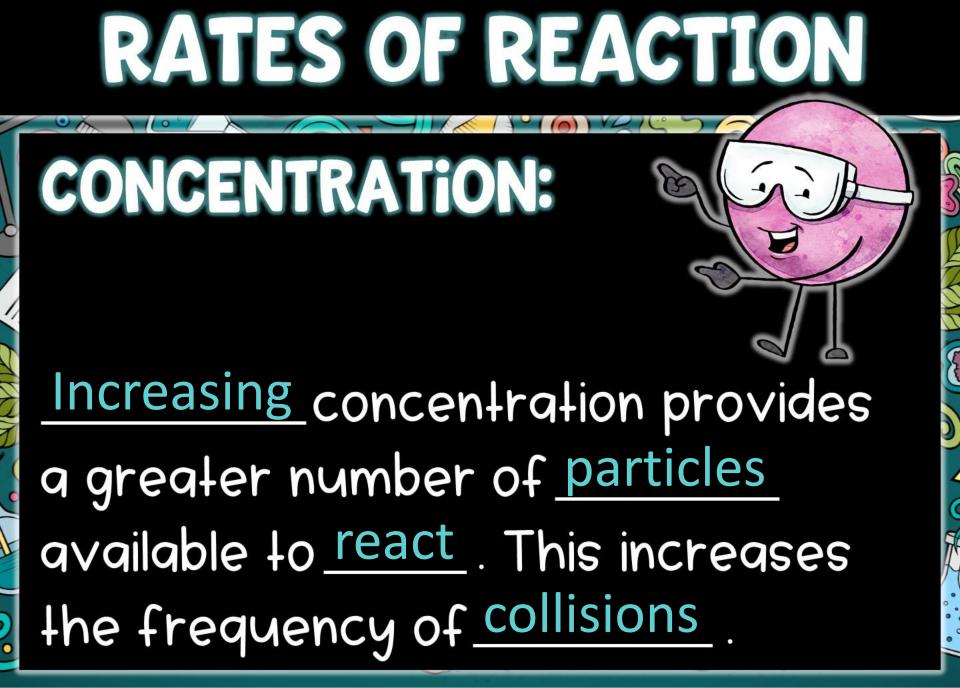
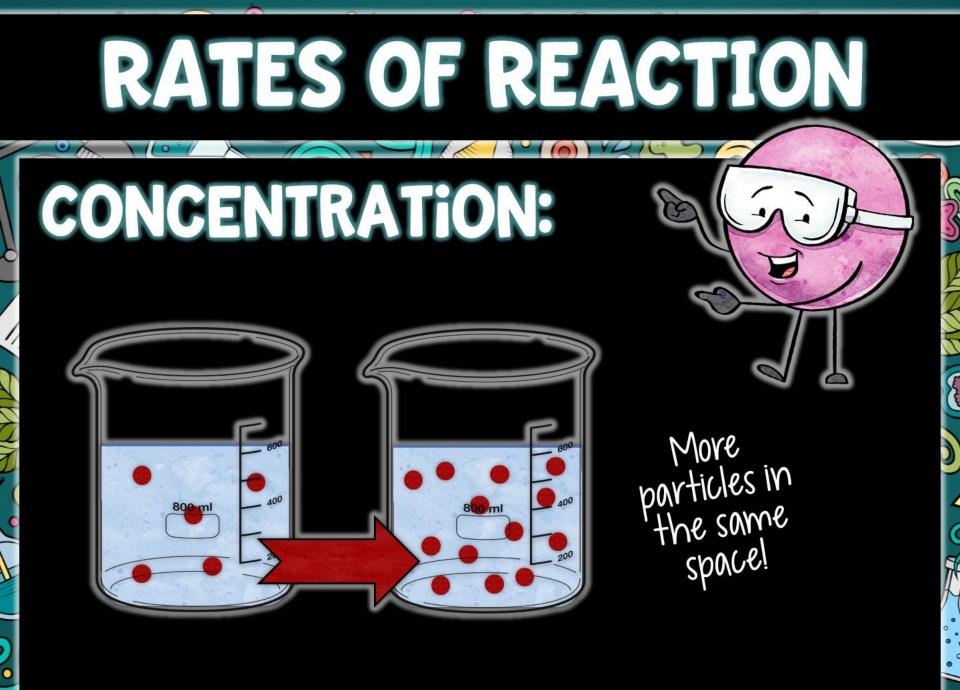


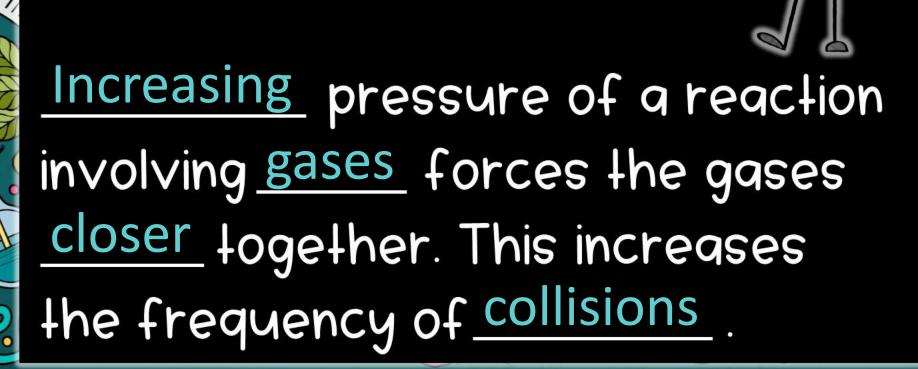


## **RATES OF REACTION COLLISION THEORY:** Collision theory states that, for a reaction to occur, particles must collide with the correct orientation and with sufficient energy.

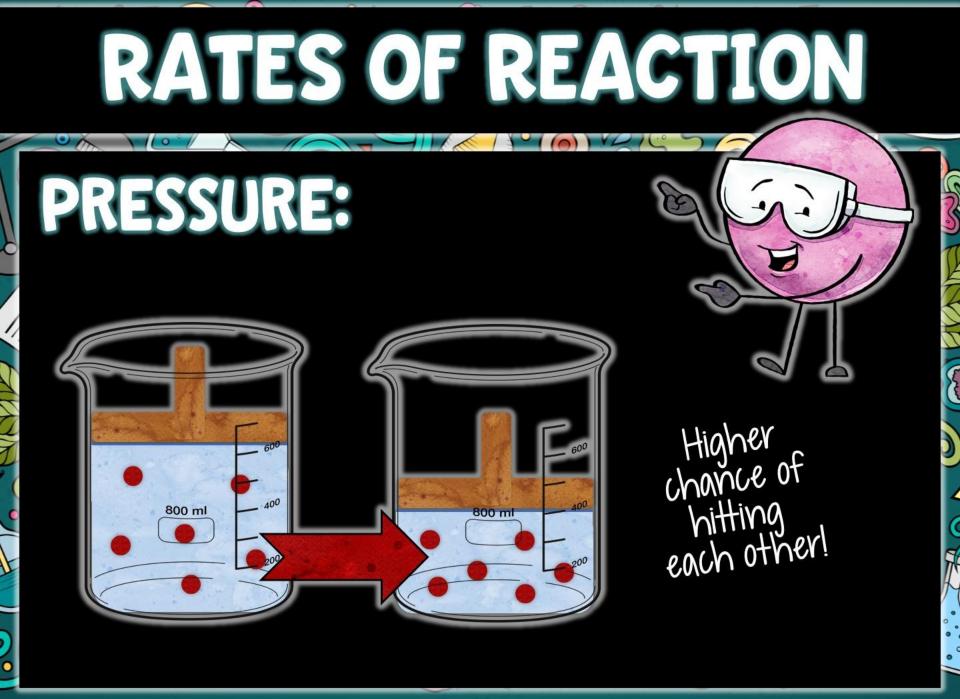








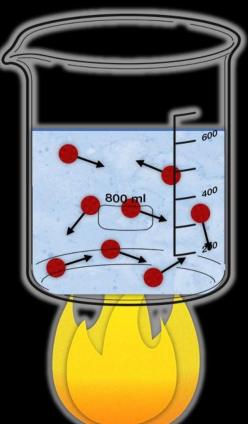
PRESSURE:



# **RATES OF REACTION** TEMPERATURE: Increasing Jemperature increases the kinetic energy of particles.

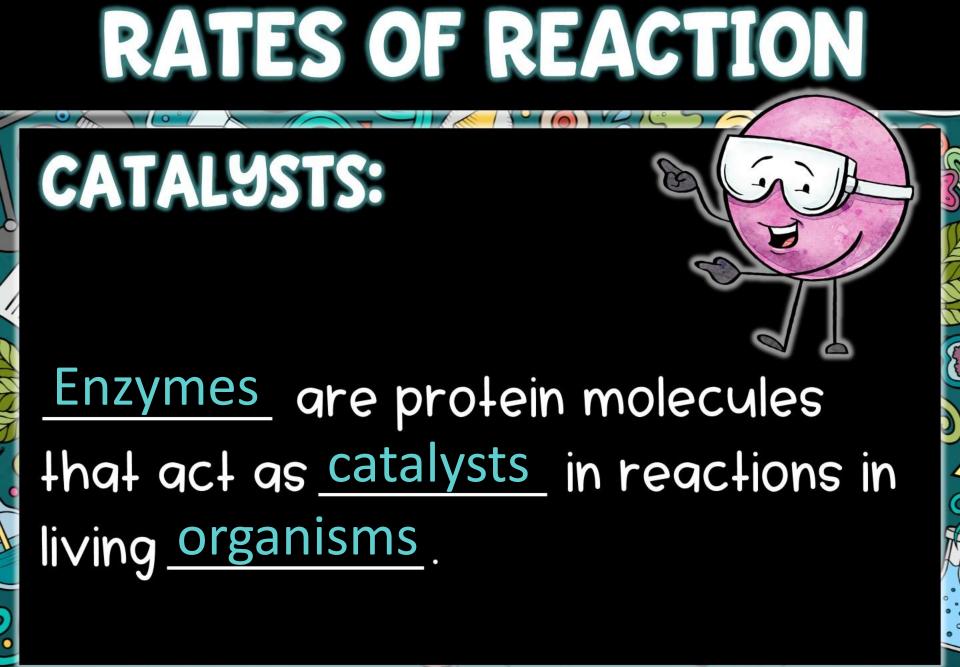
# **RATES OF REACTION** TEMPERATURE: This increases the frequency of collisions and a greater proportion of those collisions have the energy required to react

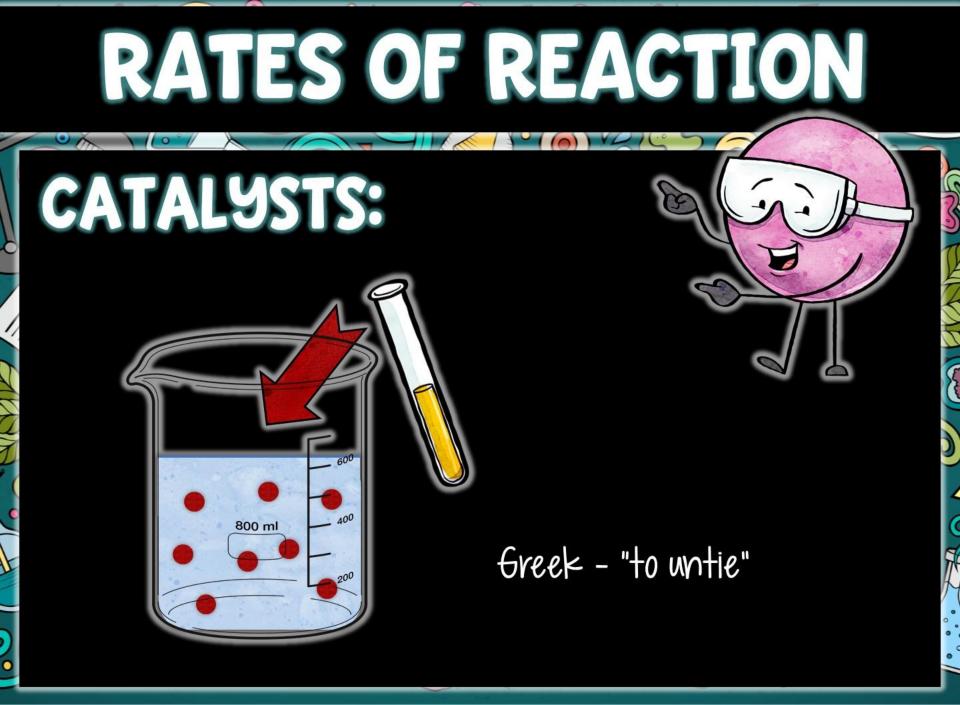
#### TEMPERATURE:

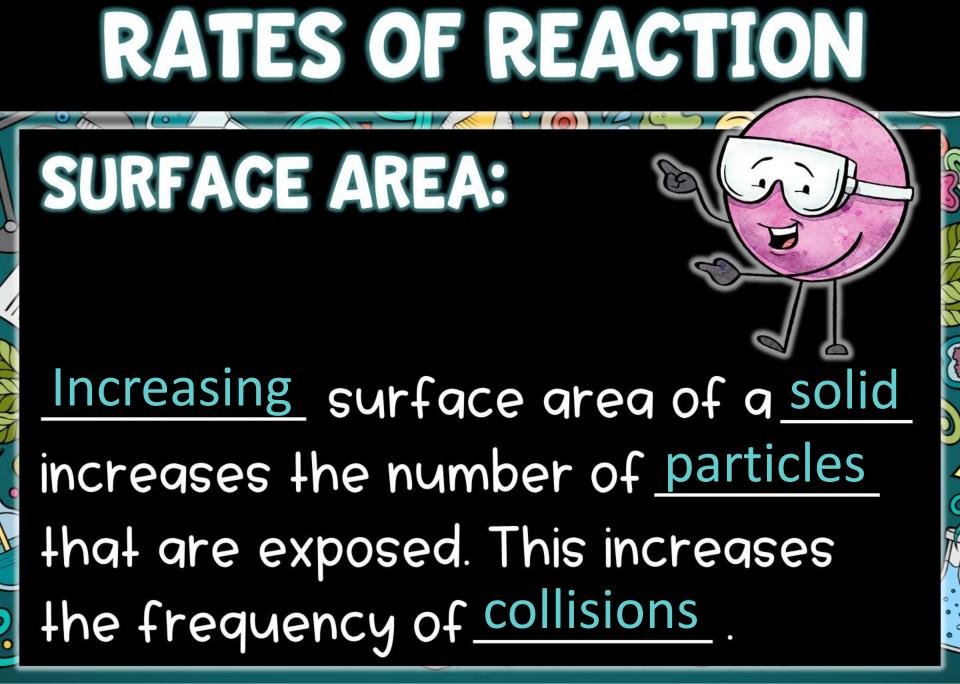




A calalyst <u>speeds</u> up reactions by <u>lowering</u> the <u>activation</u> energy required for <u>reaction</u> collisions.

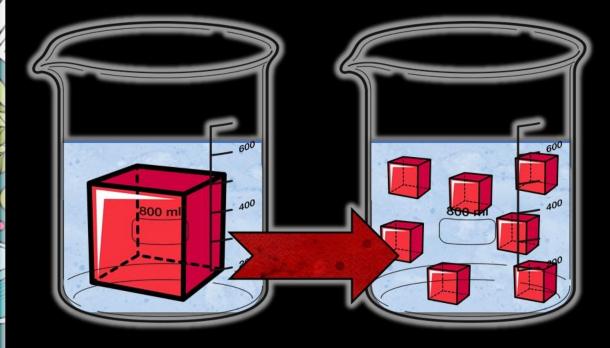








#### **SURFACE AREA:**



Powdered drink mix dissolves faster, same principle!