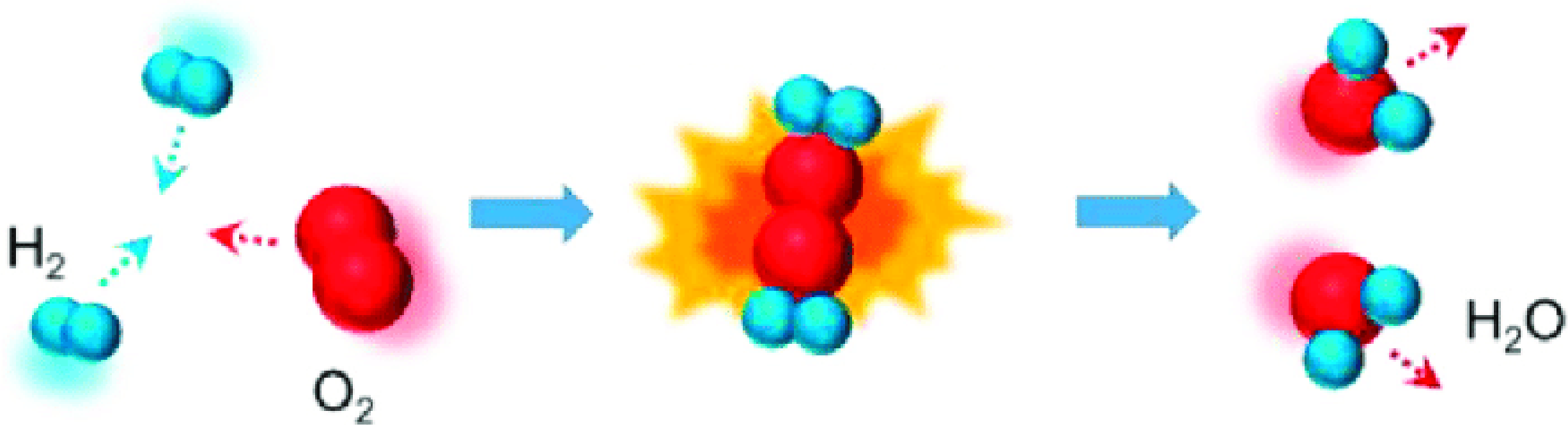


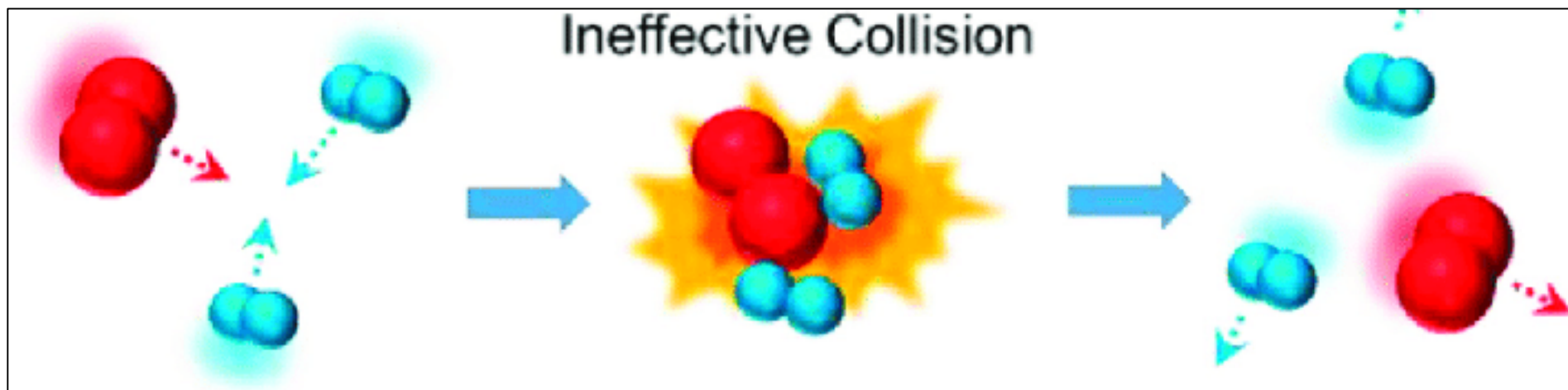
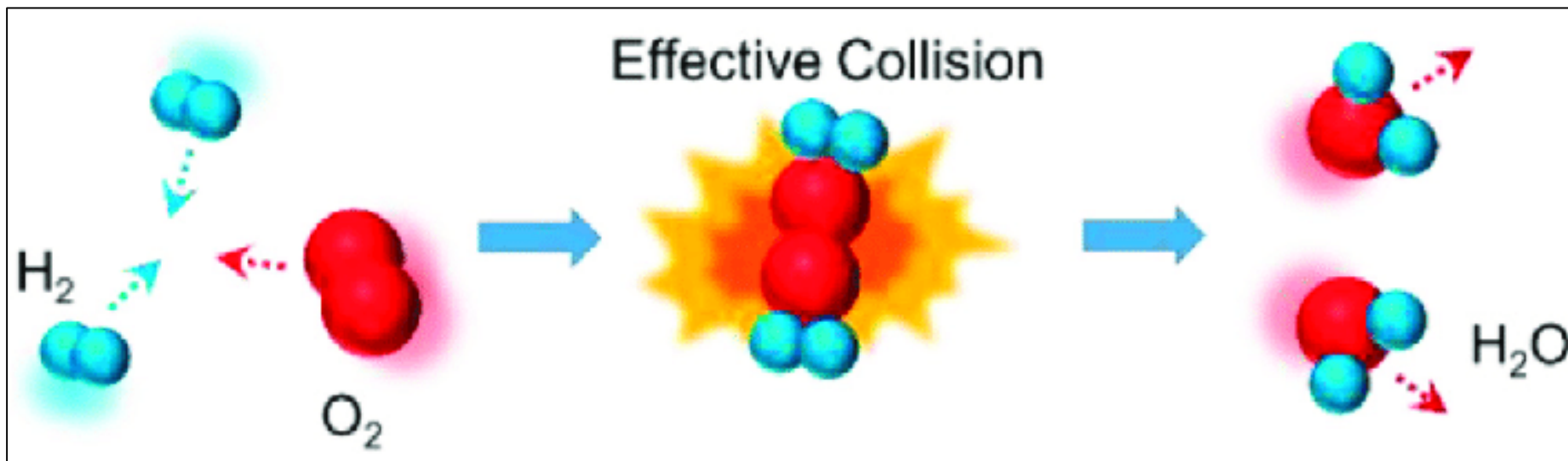
Learning Objectives

- **Collision Theory**
- **Rate of Reaction**
 - **Types**

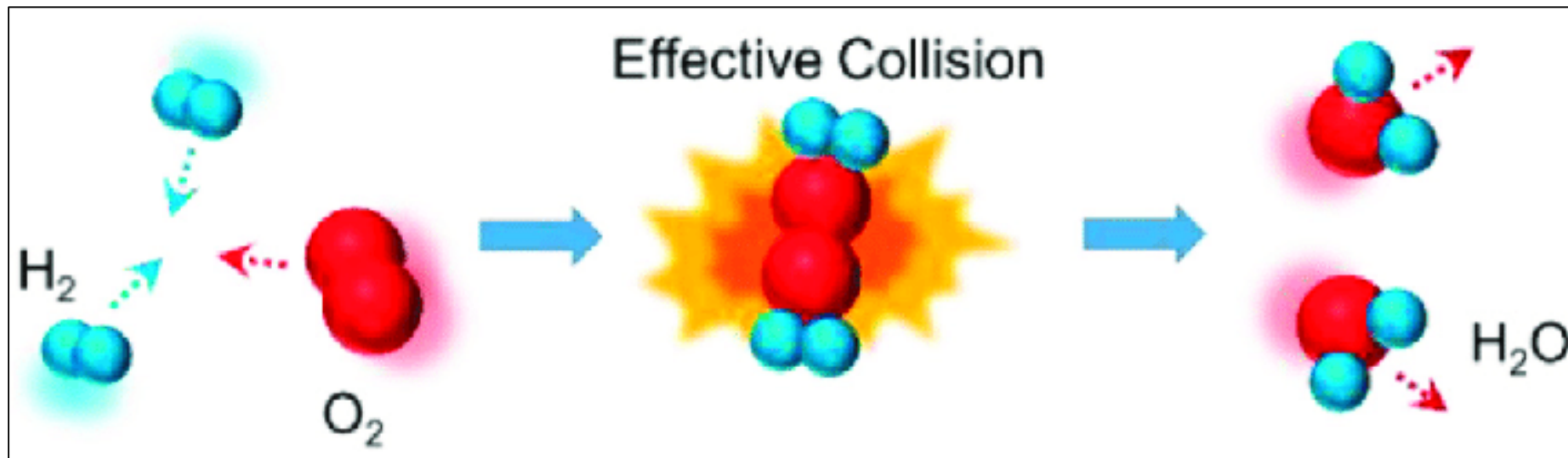
Collision Theory



Collision Theory



Collision Theory



TWO Factors for Effective Collision:

- 1. Activation Energy***
- 2. Proper Orientation***

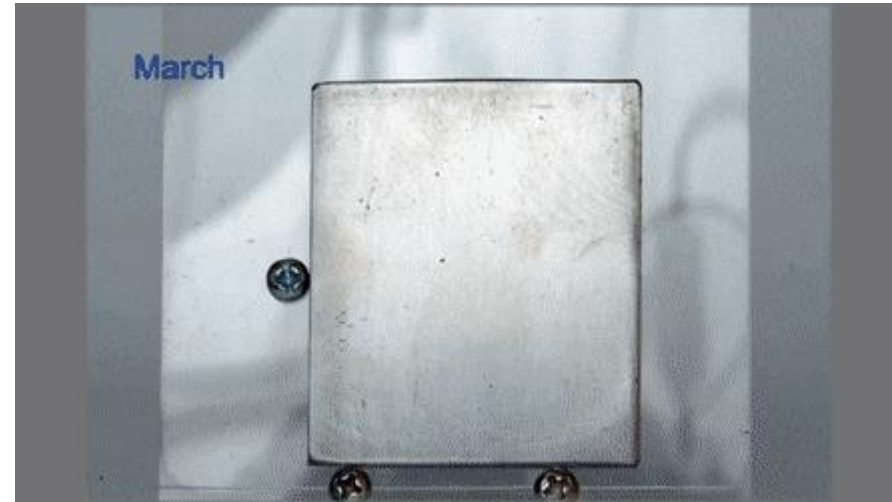
Speed of Reaction OR Rate of Reaction

It is the **SPEED** at which the products are formed during chemical reaction.

Rate of Reaction

Slow Reaction: It takes **MORE TIME** to form products.

Example; Rusting of Aluminium



Take took
Months

Fast Reaction: It takes **LESS TIME** to form products.

Example; Neutralization of acid and base



Take took
seconds

Learning Objectives

- **Collision Theory**
- **Rate of Reaction**
 - **Types**