



Collision Theory

- For a chemical reaction to occur, reactants must :

a)

b)

- Rate of Reaction can be Increased by: a)

b)

c)

Increasing Rate

↑ Concentration

.

.

↑ Surface Area(s)

.

.

↑ Temperature

.

.

.

+ Catalyst

.

.



Maxwell-Boltzmann Distribution Curve

1

2

3

4

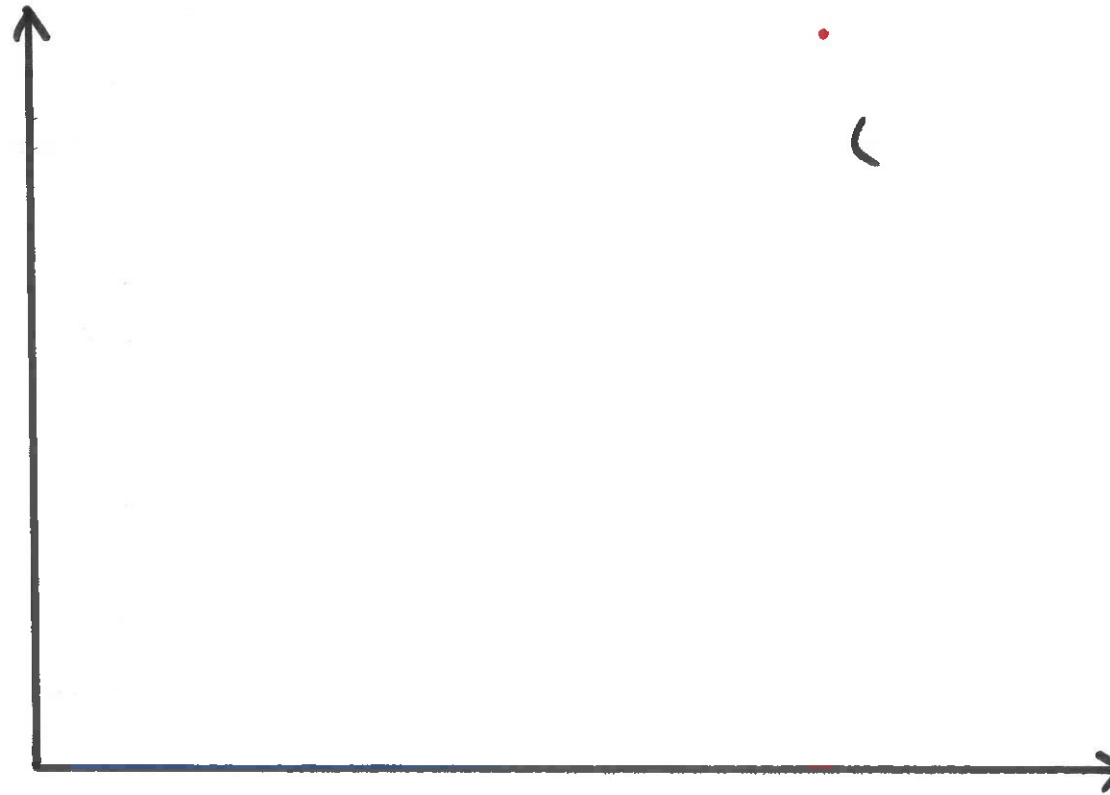
5





Concentration

1 2 3 4 5



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(

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Temperature

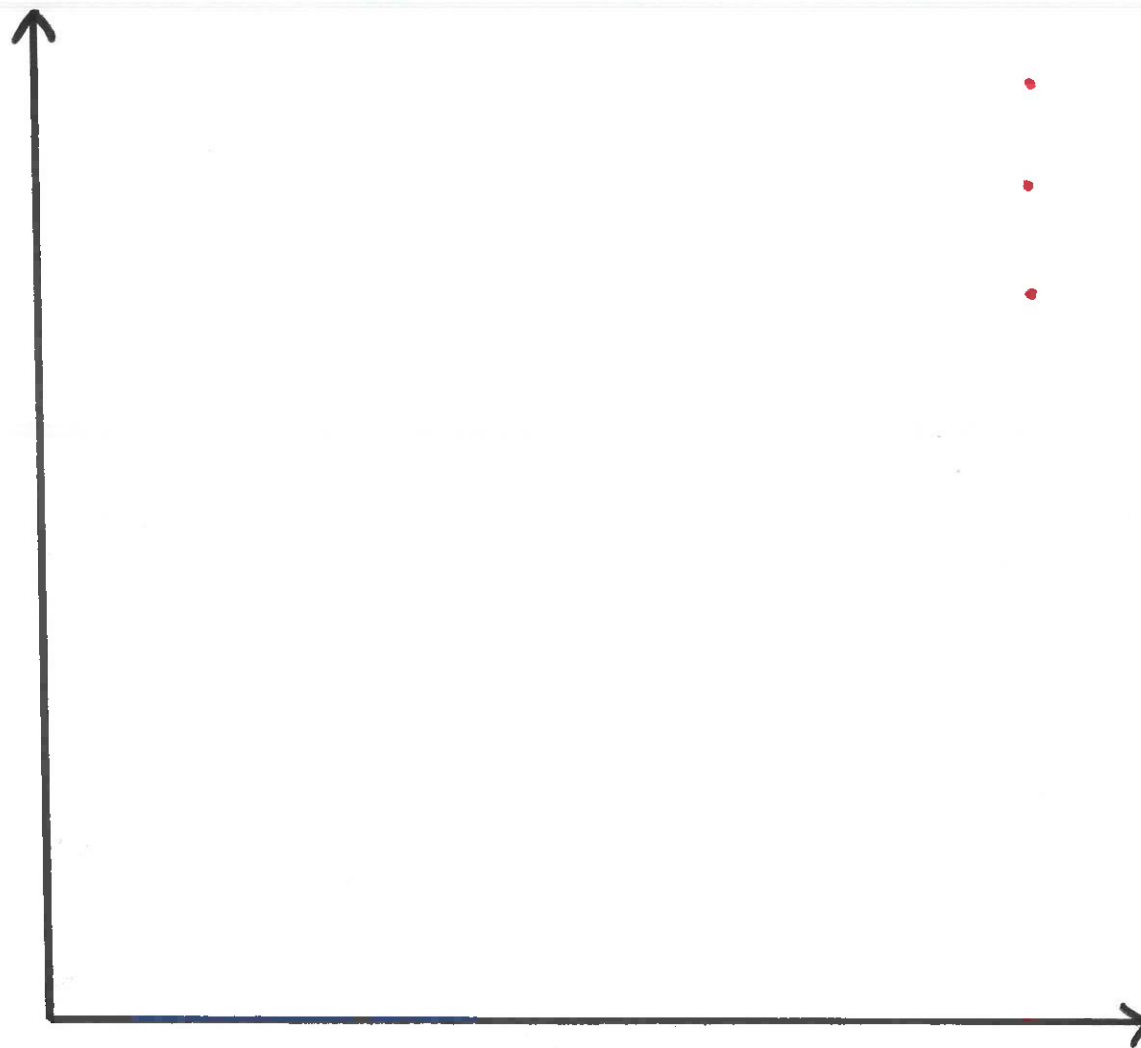
1 2 3 4 5





Catalyst

1 2 3 4 5

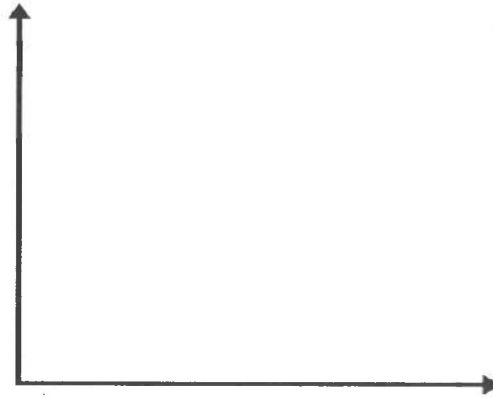




Catalyst

How Catalysts Work

1 2 3 4 5



Types of Catalyst

Homogeneous :

e.g.

Heterogeneous :

e.g.

Benefits .

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