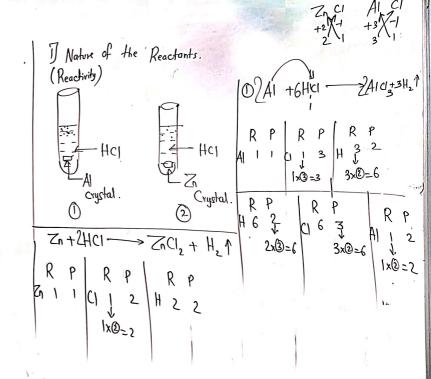
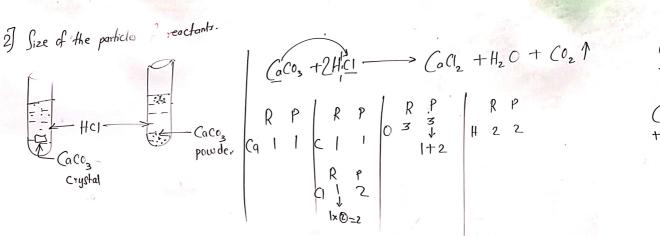


Rate of Chemical her to.

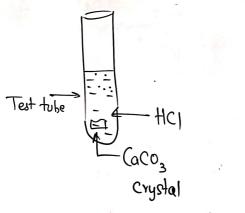
Factors Affecting the Rate of Reactions.

- 1) Nature of the reactants.
- 2) Size of the particles of the reactants.
- (3) Concentration of the reactants.
 - 1) Temperature of the Readion.
 - (5) Catalyst.



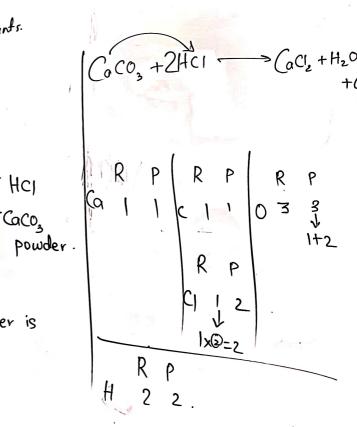


2 Size of the particle of reactants.

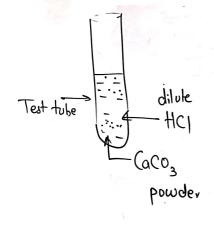


Smaller the size of particles, higher is the rate of the reaction.

HCI



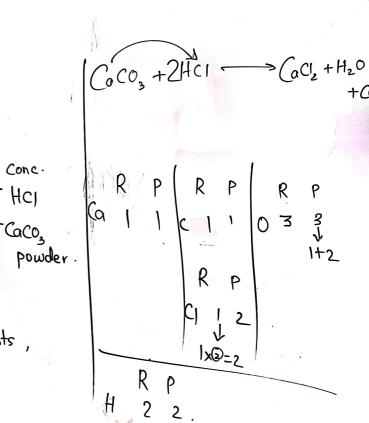




Higher the Concentration of reactants, higher is the vok of reaction.

Conc.

HCI



REDOX Reaction.

OIL RI G

REDIOX

- Reduction

 O Addition of Hydrogen
- 2 Removal of Oxygen.
 - 3 hain of electron.

1 xidation

- 1 Addition of Oxygen.
- @ Removal of Hydrogen.
- 3 Loss of electron.

J Oxidation

2) Removal of Hydrogen.

(=6=(2,4))

Mg H2

magnesium
hydride.

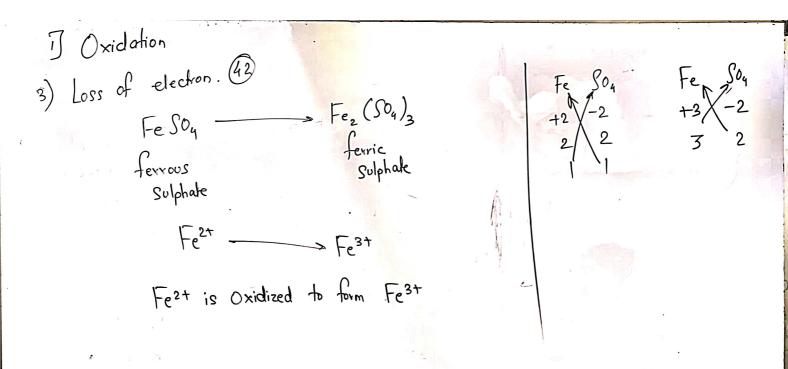
H H

C=C-H

C2H4

C2H6

ethane.



[0] = Nascent oxygen.

 $K_2C_{r_2}O_7 = potassium$ $C_{r_2}O_7 = potas$ $C_{r_2}O_7 = potas$

2) Reduction

1) Addition of Hydrogen.

Vanaspali ghee.

2) Removal of Oxygen.

$$CoD + H_2 \longrightarrow Co + H_2O$$

Since Oxygen is removed from CuO, thus Cu is reduced.

- 2) Reduction
- 3) Gain of electron.

te - 3+ - Fe2+

Fe3t reduces to form Fe2+ by gaining lelectron.

Reduction

Reduction

Oxidation

Proposition

Reduction

Reduction

Oxidation

Oxidation

Oxidation

