

## 2. Oxidation

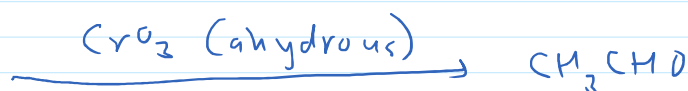
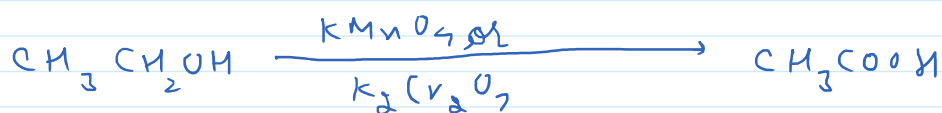
Oxidising agents:

Substances which oxidise other substances are called oxidising agents.

eg:  $\text{KMnO}_4$  (potassium permanganate)

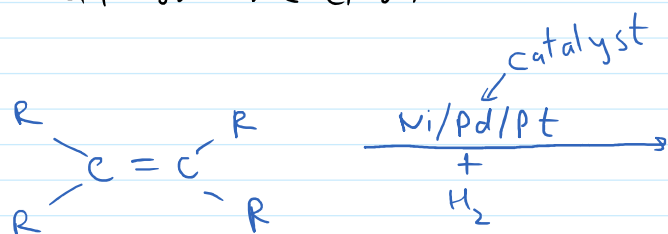
$\text{K}_2\text{Cr}_2\text{O}_7$  (potassium dichromate)

Alkanes  $\xrightarrow{\text{oxidise}}$  alcohol  $\xrightarrow{\text{oxidise}}$  aldehyde  $\xrightarrow{\text{oxidise}}$  carboxylic acid



$\text{KMnO}_4 \rightarrow$  Purple

## 3. Addition reaction



unsaturated hydrocarbon

(vegetable oil)

saturated hydrocarbon  
(animal fat)

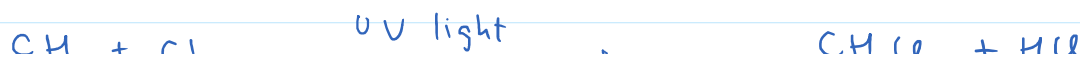
unhealthy.

Hydrogenation

Catalyst:

Substance that cause a reaction to occur or proceed at a different rate without getting consumed in the reaction.

Substitution reaction.



Substitution reaction.

