

Name: .....

Class: .....



# 02

## Preparation of aldehydes and ketones

- the formation of aldehydes from the oxidation of primary alcohols
- the formation of ketones from the oxidation of secondary alcohols

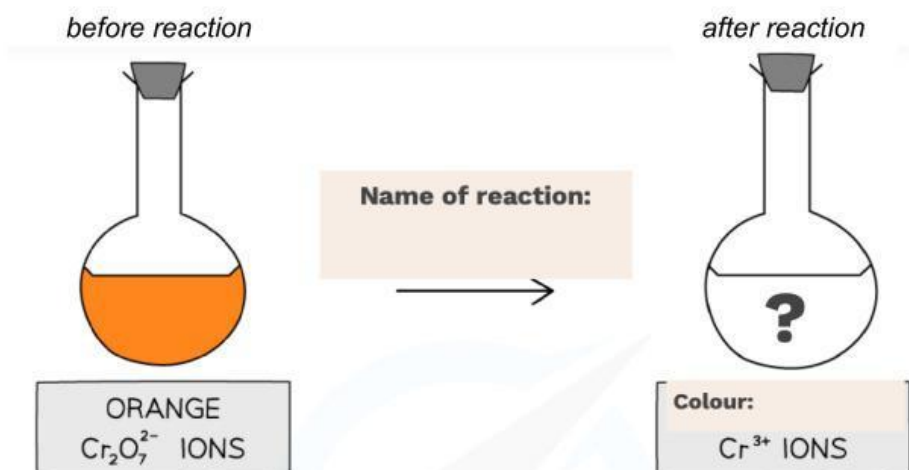
## Preparing aldehydes

1. General reaction:

..... + ..... → ..... + .....

2. Oxidising agents:

a. ....



before reaction

after reaction

Name of reaction:

ORANGE  $\text{Cr}_2\text{O}_7^{2-}$  IONS

Colour:  $\text{Cr}^{3+}$  IONS

b. ....

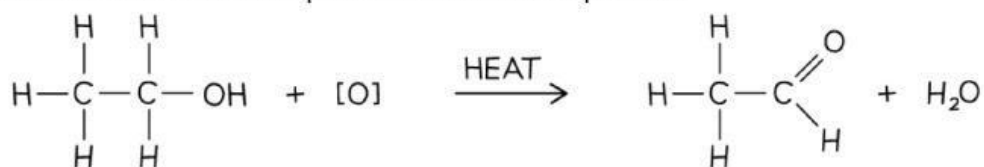
before reaction

after reaction

Name of reaction:

Colour:  $\text{Mn}^{2+}$  IONS

3. Give names of each compound in reactant and product.



name: .....

name: .....

## Preparing ketones

1. General reaction:

..... + .....  $\rightarrow$  ..... + .....

2. Oxidising agents:

c. ....

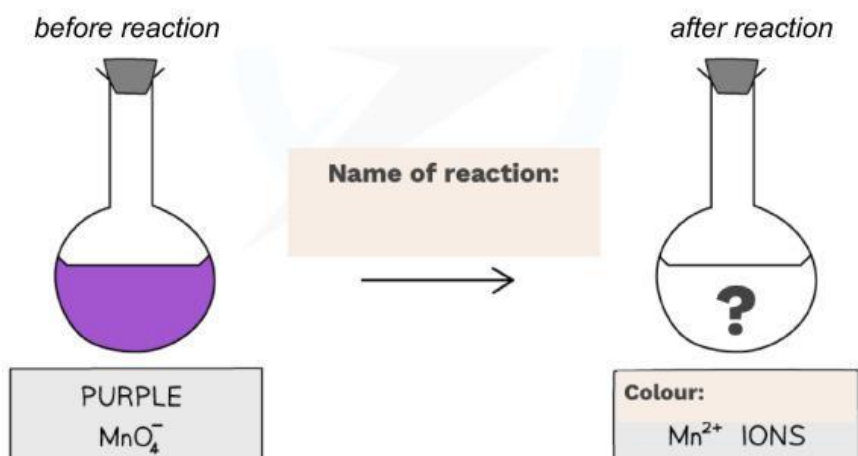
before reaction

after reaction

Name of reaction:

Colour:  $\text{Cr}^{3+}$  IONS

d. ....



3. Give names of each compound in reactant and product.



name: .....

name: .....