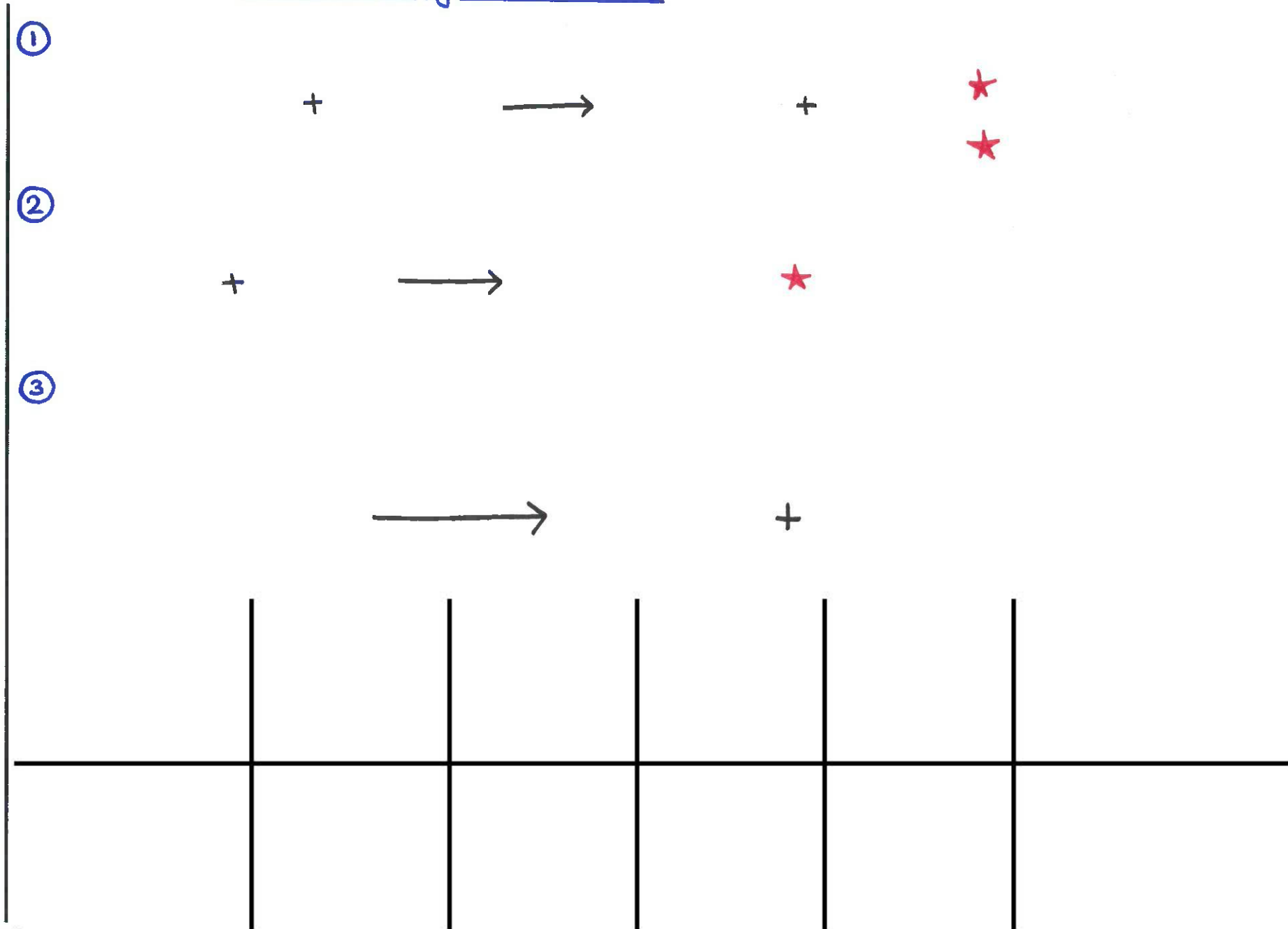




Producing Alcohols

1 2 3 4 5





Combustion of Alcohols

•

e.g.

+



+

Benefits

•

•

i.e.

:

+



:



+

:

+



+

Drawbacks

•

•

•

•



Oxidation of 1° Alcohols

1 2 3 4 5



Oxidising Agents

•



•



1° Alcohol → Aldehyde

★ See distillation video!

+



+

1° Alcohol → Carboxylic Acid

★ See Reflux video!

+



+



Oxidation of 2° & 3° Alcohols

1 2 3 4 5



Oxidising Agents

.

+



+





Testing for Aldehydes & Ketones

Basis of the Tests :

Tollen's Reagent

- :
- Positive Result =
Negative Result =

Fehling's Solution

-
- Positive Result =
Negative Result =

Test for Carboxylic Acid

-
-



Dehydration of Alcohols

1 2 3 4 5

•
★

Mechanism

e.g.



★
★

★

★

Overall

