

## Experimental Techniques – 2021 IGCSE 0620

1. Nov/2021/Paper\_11,12,13,21,22&23/No.2

A student put exactly  $25.00\text{ cm}^3$  of dilute hydrochloric acid into a conical flask.

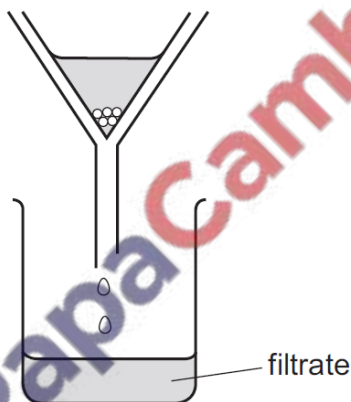
The student added 2.5g of solid sodium carbonate and measured the change in temperature of the mixture.

Which apparatus does the student need to use?

- A balance, measuring cylinder, thermometer
- B balance, pipette, stopwatch
- C balance, pipette, thermometer
- D burette, pipette, thermometer

2. Nov/2021/Paper\_11,12,13,21,22&23/No.3

A student separates sugar from pieces of broken glass by dissolving the sugar in water and filtering off the broken glass.



What is the filtrate?

- A broken glass only
- B broken glass and sugar solution
- C pure water
- D sugar solution