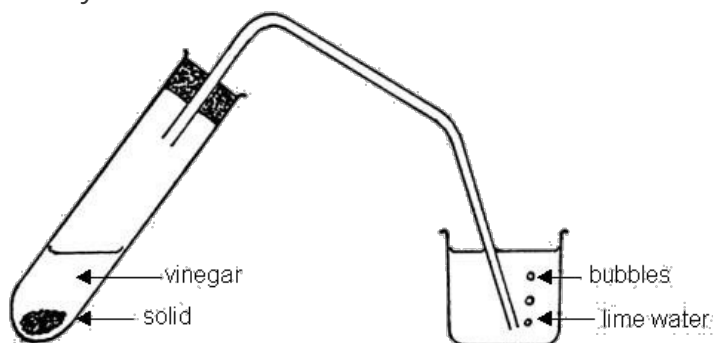


# Carbonate reactions

**This task is about setting up a fair test.**

Stacey wanted to find out whether calcium carbonate or sodium carbonate reacted faster with vinegar. Using the apparatus shown, she decided to do this by observing how long it took for the carbon dioxide released to turn lime water milky.



Tick whether or not Stacey **must** include each step to make this a "fair" test.

a) Same amounts of calcium carbonate and sodium carbonate.

Yes

No

b) Identical test tubes for the reaction.

Yes

No

c) Trials must be carried out at exactly the same time.

Yes

No

d) Vinegar used should be of same type and amount.

Yes

No

e) Solid should be stirred thoroughly with the vinegar.

Yes

No