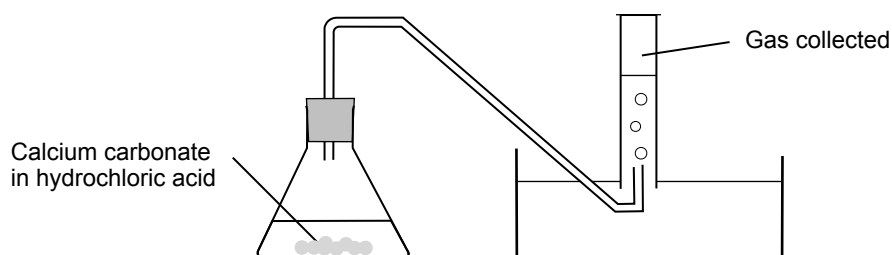
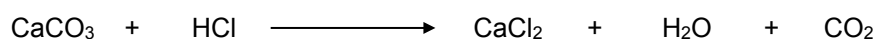


- 01 A student investigated the rate of reaction between calcium carbonate and hydrochloric acid. The diagram shows the apparatus used.



The equation for the reaction is given:



- 01.1 Balance the equation. 1 mark

- 01.2 The student tested five different concentrations of hydrochloric acid. The student measured the volume of gas produced per minute.

Give one control variable for this investigation.

1 mark

- 01.3 Describe and explain the the results the student would expect for this investigation. 3 marks

- 01.4 Give one different way the student could have measured the rate of of reaction in this investigation.

1 mark

- End of question -

**Total
6 marks**

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