



Chem!stry

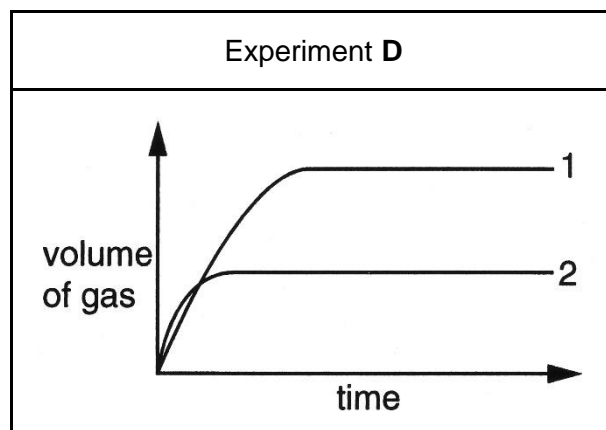
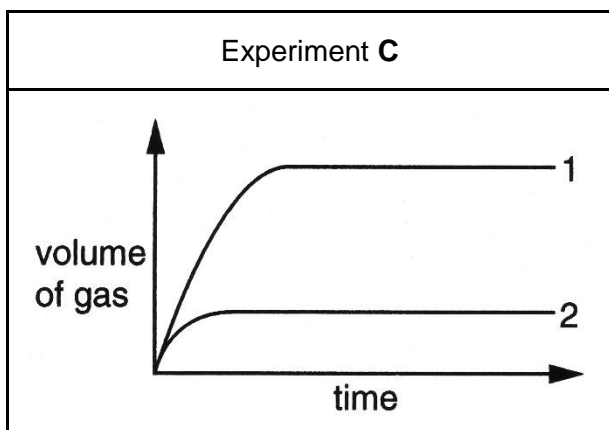
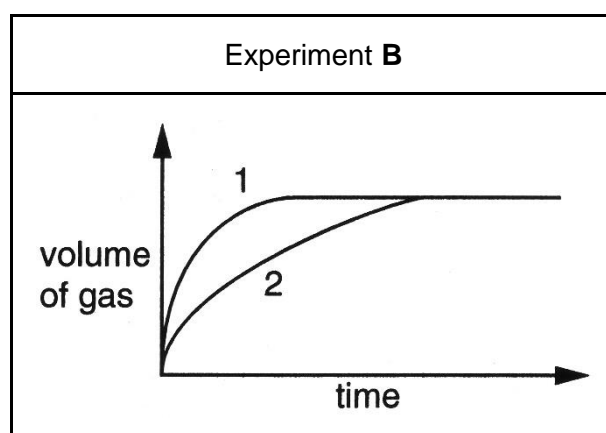
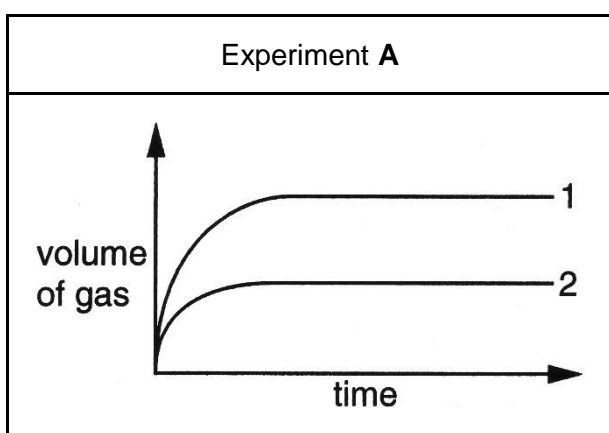
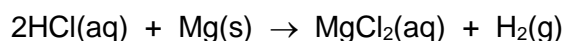
Name: ()

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Rate of Reaction Graphs – One

- All of the graphs below show data collected for the reaction between hydrochloric acid and magnesium:



- Study the graph for experiment A. In reaction 1, 20.0 cm³ of 1.0 mol/dm³ hydrochloric acid was reacted with an excess of magnesium ribbon. What change(s) to this experiment would give the results observed in reaction 2?

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2. Study the graph for experiment **B**. In reaction 1, 40.0 cm³ of 2.0 mol/dm³ hydrochloric acid was reacted with an excess of magnesium powder. What change(s) to this experiment would give the results observed in reaction 2?

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3. Study the graph for experiment **C**. In reaction 2, 20.0 cm³ of 0.50 mol/dm³ hydrochloric acid was reacted with an excess of magnesium ribbon. What change(s) to this experiment would give the results observed in experiment 1?

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4. Study the graph for experiment **D**. In reaction 1, 20.0 cm³ of 2.0 mol/dm³ hydrochloric acid was reacted with an excess of magnesium ribbon. What change(s) to this experiment would give the results observed in experiment 2?

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- Scan the QR code below for the answers to this assignment.



http://www.chemist.sg/rate_of_reaction/rate_graphs_one_ans.pdf