



From *Education
in Chemistry*
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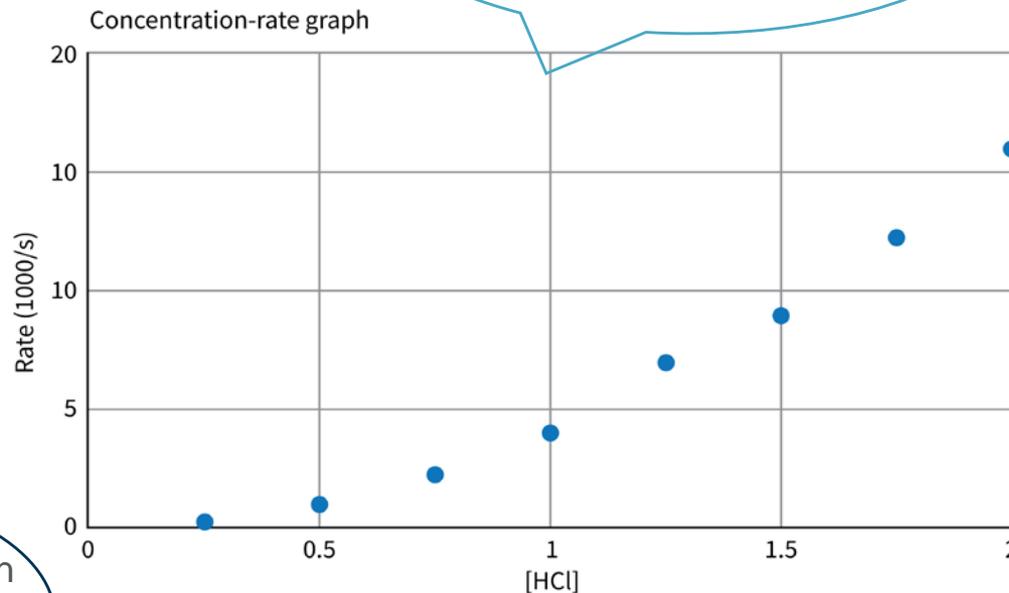
Data thinking concept cartoon

Data thinking

After an experiment determining how the concentration of hydrochloric acid affects the rate of reaction with magnesium, students made the following points about the data. How might you respond to their ideas?

The line of best fit shows what the results should have been under perfect conditions.

Some points are not on the line, because the magnesium was impure.



The graph should go through the origin, because when there is no HCl there is no reaction.