

# Surface Area and Rate of Reaction

## Problem:

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## Hypothesis:

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## Aim:

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## Materials:

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|-----------------------|----------------------|
| ◆ 3 test tubes        | ◆ pestle and mortar  |
| ◆ test tube rack      | ◆ stopwatch          |
| ◆ 3 x aspirin tablets | ◆ measuring cylinder |

## Method:

1. Collect all equipment needed.
2. Break one aspirin tablet into quarters and crush another using the mortar and pestle.
3. Place the whole aspirin tablet into one test tube, the quartered aspirin tablet into a separate test tube and the crushed tablet into the third test tube.
4. Pour 50mL of water into the test tube with the whole aspirin tablet and use the stopwatch to time how long it takes to fully dissolve.
5. Repeat for the quartered and crushed aspirin tablets.

**Results:** Construct a table in your workbook and record the results.

**Discussion:** Complete the discussion in your workbook.

## Conclusion:

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