



Name: ..... Form: .....

Based on pages 10 and 11 of *Dissolving*

# How does temperature affect dissolving?

**Try this...**

1. Plan a fair test to compare how fast sugar dissolves in water at different temperatures.

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2. Make a table on the back of this sheet in which to record your results.

3. Take water from the fridge, record its temperature and then find how long it takes for an amount of sugar to dissolve in it.

4. Take water from the cold water tap, record its temperature and then find how long it takes for an amount of sugar to dissolve in it.

5. Make a volume of water 30°C, and then find how long it takes for an amount of sugar to dissolve in it.

6. Make a volume of water 40°C, and then find how long it takes for the same amount of sugar to dissolve in it.

7. Present the data in your table as a line graph.

**Looking at the results.**

8. Describe how the temperature of the water affects the way sugar dissolves in it.

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