



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

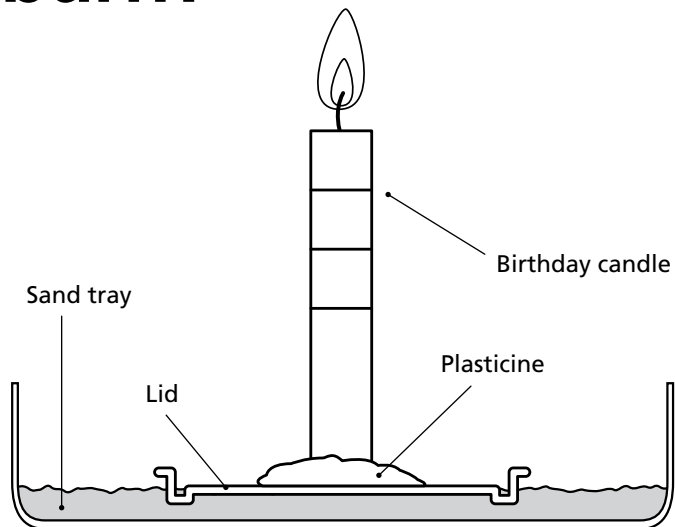
Based on pages 8 and 9 of *Changing materials*

# How fast does it burn?

Try this...

1. Take a birthday cake candle and mark lines on it 1 centimetre apart, starting at the end with the wick. You should divide the top part of the candle into three, 1 centimetre sections.

2. Set up the candle as the diagram shows.



3. Predict how long you think it will take to burn away one centimetre of the candle. Write down your prediction here.

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4. Ask your teacher to light the candle and time how long it takes to burn down to the first mark.

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5. Record how long it takes for the candle to burn down to the next mark.

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6. Record how long it takes for the candle to burn down to the last mark, then blow out the candle.

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7. Present your results in a table on a separate sheet of paper.

**Looking at the results.**

8. Estimate how long it would take for the candle to burn out completely.