



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

See pages 16 and 17 of *Solids and liquids*

# Swelling and shrinking

Both solids and liquids change in size as they become hotter and colder.

**Q1.** Does the coiled strip curl or uncurl when it gets hotter?

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**Q2.** Name two metals that are used in strips like the one in the diagram.

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**Q3.** A bottle completely full of water has a straw sticking through its cork and into the water. What happens when the bottle is put in a bowl of hot water?

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**Q4.** Explain your answer to question 3.

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**Q5.** 'Expand' and 'contract' are two words that describe how materials behave.

(a) What does expand mean, and when do materials expand?

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(b) What does contract mean, and when do materials contract?

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