

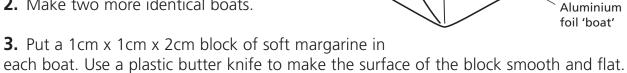
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	Name:	Form:

Based on pages 8 and 9 of Changing from solids to liquids to gases

Testing for hardness

Try this...

- **1.** Fold a piece of aluminium foil to make a boat with sides about 1cm high, as the diagram shows.
- **2.** Make two more identical boats.



- **4.** Put one boat in the fridge.
- **5.** Fill one bowl with cold tap water, and fill another bowl with hot tap water.
- 6. Float a second boat in the bowl of cold tap water, and the last boat in the bowl of hot tap water. Leave them for two minutes.
- **7.** Take the first boat out of the fridge.

8.	Hold a chopstick vertically above the margarine in the first boat from the fridge. Hold
the	e lower end of the chopstick about 2cm above the margarine, then let it drop onto the
ma	argarine surface. Note how the end of the chopstick affected the surface.
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9.	Take the boat out of the bowl of cold tap water and repeat step 8 on the margarine.
	
10	. Take the boat out of the bowl of hot tap water and repeat step 8 on the margarine
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Looking at the results.

11	. What do the results show?
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