8Ia(5) Heat and temperature

Name _____ Class _____ Date _____

8 I a

Degree celsius **Joules** **Thermometer**

1 a What units are used to measure heat energy? _____

b What units are used for temperature? _____

c What instrument do we use for measuring temperature? _____

2 Look at the diagrams below and tick the one of each pair that has the most heat energy in it. Explain your answers.

a

large bowl of porridge at 30 °C



small bowl of porridge at 30 °C



_____

b

small pan of soup at 80 °C



the same size pan of soup at 50 °C



_____

3 Look at these two bowls of food.



a Will heat flow into the soup or out of it? _____

Explain your answer. _____

_____

b Will heat flow into the ice cream or out of it? _____

Explain your answer. _____

_____

4 Think of a situation at home where heat energy is being transferred. Draw a picture to show this, and add arrows to show which way the heat energy is flowing.

I CAN...
- recall the units for energy and temperature
- recall what the amount of heat energy in something depends on
- recall that heat flows from hotter to colder objects.

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