

Name _____ Class _____ Date _____

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.

300 g soup
80 °C300 g ice cream
2 °C

air temperature 20 °C

- 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.