

Name _____ Class _____ Date _____

1 Match the words to their meanings.

joules (J)

degrees Celsius (°C)

temperature

internal energy

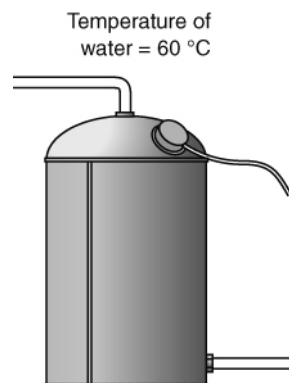
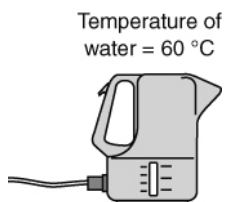
how hot or cold something is

the units for measuring energy

another name for thermal energy

the units for measuring temperature

2 The drawings show a kettle and a hot water tank.



a Which one contains the greatest mass of water when it is full?

b Which will heat up the quickest?

c Which is storing the most energy?

3 Jenna has a glass of iced lemonade.

Complete these sentences by crossing out the words that are wrong.

The lemonade is (warmer/cooler) than the air in the room. Energy will flow from the (lemonade/air) in the room to the (lemonade/air) in the room. The temperature of the lemonade will go (up/down) and the temperature of the air in the room will go (up/down).



4 Complete these sentences using words and phrases from the box. You do not need to use all the words.

A liquid can evaporate at _____, but it evaporates fastest at _____. When some of a liquid _____, the liquid that is left is _____ than it was before.

any temperature	cooler
evaporates	its boiling point
its melting point	warmer

I can...

- explain how internal energy and temperature are different
- identify the direction in which energy will be transferred
- recall some effects of evaporation.