

Homework 26c Warming up...

1. Use the words in the HELP-BOX to copy and complete the following paragraph.

convection	°C	conduction	atoms
thermometer		radiation	thermal

We measure temperature with a
Normal human body temperature is about 37
When an object warms up its move more
quickly. Another name for heat is energy.
Heat can be transferred from hotter places to cooler
places by, and

2. Explain why an electric kettle takes longer to boil 2 litres of water than to boil 1 litre of water.
3. Copy out the statements below if they are true.
 - (i) 1 litre of boiling water contains less thermal energy than 2 litres of boiling water.
 - (ii) 50 ml of warm water has more thermal energy than 50 ml of cold water.
 - (iii) A white-hot spark is at a higher temperature than a bath-full of warm water.
 - (iv) A white-hot spark has more thermal energy than a bath-full of warm water.
4. Explain in detail how an electric fire heats up a room.