

8I Heating and cooling

complete the sentence

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Place the right word or words to complete the sentence:

 [Click mouse to reveal answer](#)

liquids

solids

degrees

wave

radiation

escaping

reduce

quickly

conduction

- a) The temperature of a substance is measured in _____ Celsius.
- b) The temperature of an object depends on how _____ its particles are moving.
- c) Heat energy can be transferred by _____, convection and radiation.
- d) Conduction in _____, is the transfer of heat by particles vibrating against one another.
- e) Convection in _____ and gases is the transfer of heat by currents.
- f) Thermal insulators _____ heat transfer to the surroundings.
- g) Radiation is a _____ which travels at the same speed as light.
- h) Heat transfer by _____ does not need a medium.
- i) Good insulators prevent heat from _____ because they contain trapped air.

8I Heating and cooling

complete the sentence

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Place the right word or words to complete the sentence:

liquids

solids

degrees

wave

radiation

escaping

reduce

quickly

conduction

- a) The temperature of a substance is measured in degrees Celsius.
- b) The temperature of an object depends on how quickly its particles are moving.
- c) Heat energy can be transferred by conduction, convection and radiation.
- d) Conduction in solids, is the transfer of heat by particles vibrating against one another.
- e) Convection in liquids and gases is the transfer of heat by currents.
- f) Thermal insulators reduce heat transfer to the surroundings.
- g) Radiation is a wave which travels at the same speed as light.
- h) Heat transfer by radiation does not need a medium.
- i) Good insulators prevent heat from escaping because they contain trapped air.