HEAT AND THE EFFECTS OF HEAT

1. Complete the sentence with the correct word.

A thermal conductor **Conduction** **A thermal insulator** **Convection**

a) _____ occurs when two objects are in contact; this thermal energy is transferred from one object to the other.

b) _____ occurs when thermal energy travels through a gas or through liquid.

c) _____ is a material that transfers thermal energy easily.

d) _____ doesn't transfer thermal energy easily.

2. Read and put a cross in the correct box.

State	Melting	Evaporation	Expansion	Chemical changes
Liquid changes to gas				
Solid changes to liquid				
Cooking food				
Gases that receive thermal energy				

3. Answer these questions.

a) Can some chemical changes be reversed? _____

b) What happens to molecules in an object when it receives thermal energy?

_____

c) What can happen to some gases when they receive thermal energy?

_____

d) What happens when thermal energy is applied to a liquid?

_____

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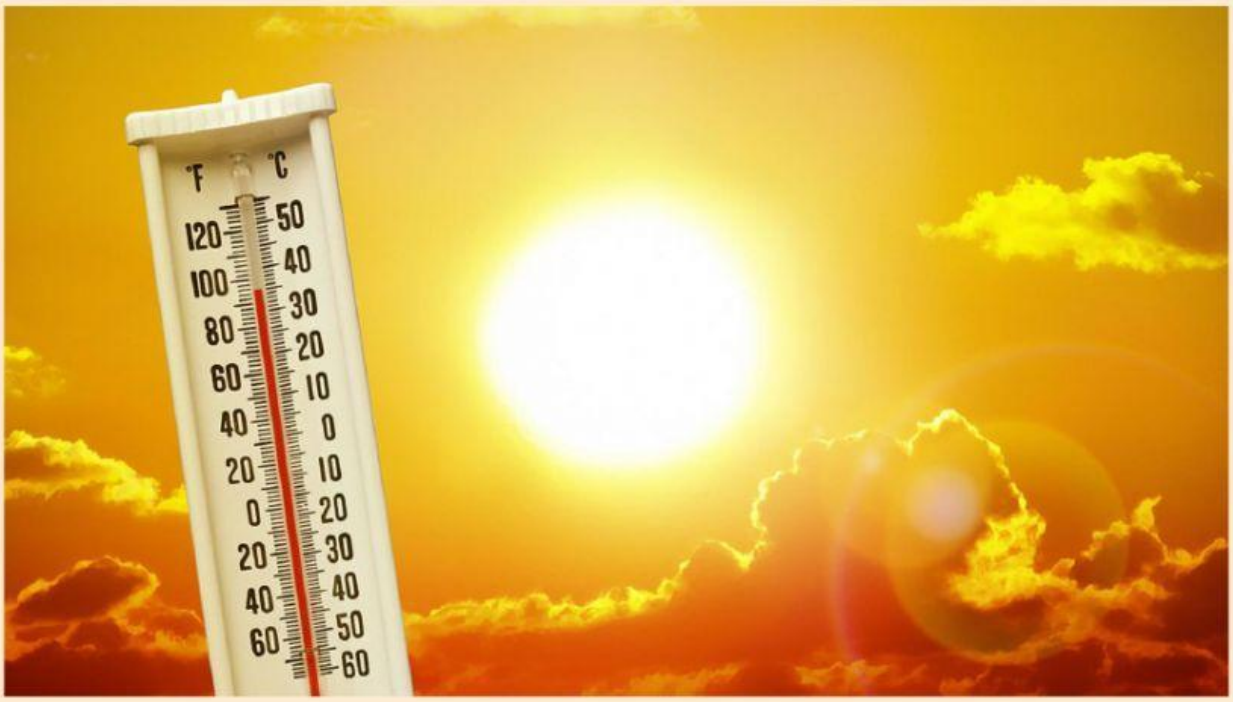
4. Match the sentences with the arrows.

1. Solids in contact with one another, and in contact with liquids transfer energy by	...radiation
2. Energy rising up then going around and down, in gases and liquids, uses	...conduction
3. Energy is transferred from the Sun to the Earth by	...convention



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