

Conduction, convection, and Radiation

Last Name:	First Name:	Period:	Date:
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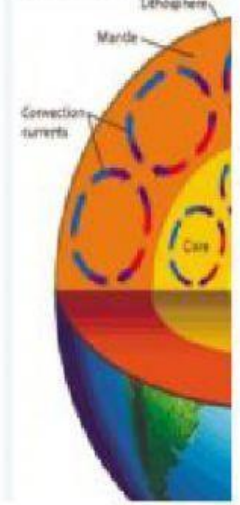
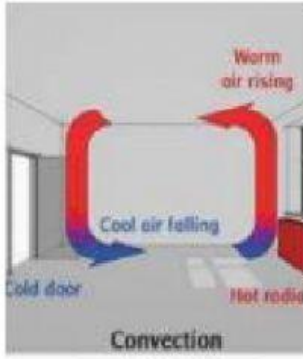
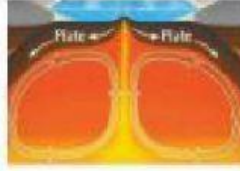
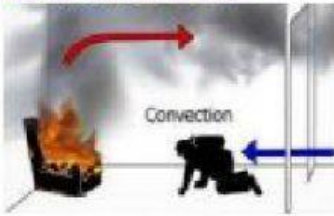
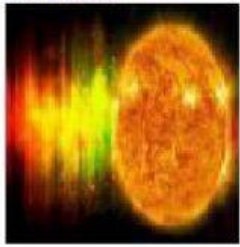
Review

	Transfer of heat by	Example
Conduction	Contact	• Touching a hot rod
Convection	Moving of air/liquid Hotter rises Less hot(colder) sinks	❖ Boiling water ❖ Wind ❖ Magma inside the earth
Radiation	Transfer by waves No contact	➤ Sun ➤ Radiator ➤ microwave

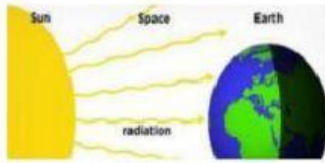
Questions 1

Instructions: Label the picture as Conduction, Convection or Radiation

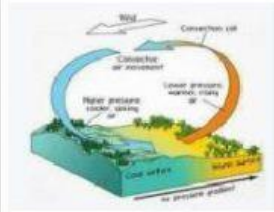
Heat from camp fire 	Heat from your hand melts the ice 	Hotter air rises 
You touch a remote control 	Food gets cooked on the hot pavement 	Boiling H₂O 

Warm food in a microwave 	The hot air from the hairdryer rises and as it cool down sinks 	Pan on a stove 
Hot magma rises and less hotter sinks 	Heat rises – cold sinks 	Hotter Magma rises and less hotter sinks 
Circulation of air 	The sun 	Electromagnetic radiation 

The sun heat

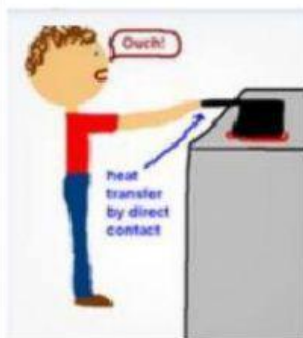


The air movement is by Con....



The wind moves because...





Spoon get hotter by contact



Conduction of Heat

Touching a hot handle



Conductive Heat Transfer