

Conduction, convection, and Radiation

Last Name:		First Name:		Period:		Date:	
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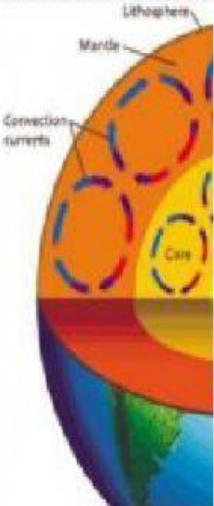
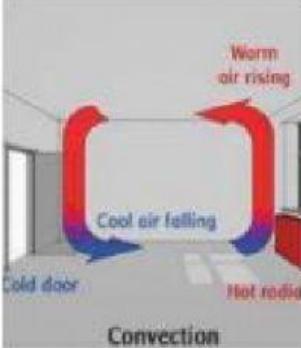
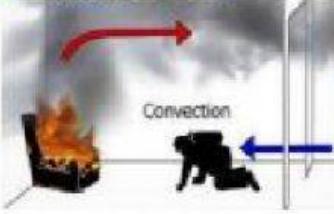
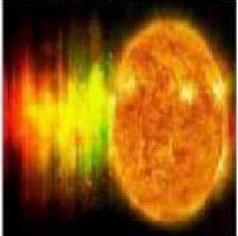
Review

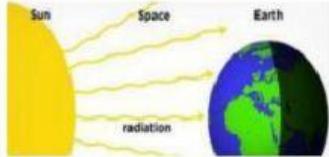
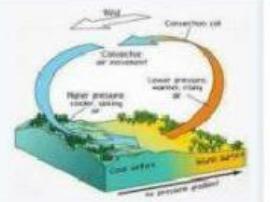
	Transfer of heat by	Example
Conduction	Contact	* Touching a hot rod
Convection	Moving of air/liquid Hotter rises Less hot(colder) sinks	◆ Boiling water ◆ Wind ◆ Magma inside the earth
Radiation	Transfer by waves No contact	➢ Sun ➢ Radiator ➢ microwave

Questions 1

Instructions: Label the picture as Conduction, Convection or Radiation

Heat from camo fire	Heat from you hand melts the ice	Hotter air raises
		
You touch a remote control	Food gets cooked on the hot pavement	Boiling H2O
		

<p>Warn food in a microwave</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>	<p>The hot air from the hairdryer rises and as it cool down sinks</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>	<p>Pan on a stove</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>
<p>Hot magma rises and less hotter sinks</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>	<p>Heat rises – cold sinks</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>	<p>Hotter Magma rises and less hotter sinks</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>
<p>Circulation of air</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>	<p>The sun</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>	<p>Electromagnetic radiation</p>  <div style="border: 1px solid black; width: 100%; height: 40px; margin-top: 10px;"></div>

<p>The sun heat</p>  <p>Space</p> <p>Earth</p> <p>radiation</p>	<p>The air movement is by Con....</p>  <p>Wind</p> <p>Convection cell</p> <p>Convection or movement</p> <p>Lower pressure, warmer air rising</p> <p>Higher pressure, cooler sinking air</p> <p>Surface land</p> <p>Surface water</p> <p>ice pressure gradient</p>	<p>The wind moves because...</p> <p>WIND</p> 
 <p>Ouch!</p> <p>heat transfer by direct contact</p>	<p>Spoon get hotter by contact</p>  <p>Conduction of Heat</p>	<p>Touching a hot handle</p>  <p>Conductive Heat Transfer</p>