Name:	Date:			
Conduction, Convection, or Radiation				
Objective: Students will know how to separate th	e different types of thermal energy.			
Matching: Use these definitions to help you with the rest of the worksheet.				
Radiation	A. Heat transfer from a heat source through a solid.			
Convection	B. Infrared heat waves like in the Electromagnetic spectrum			
Conduction	C. Heated gas or liquid particles rise.			
Label each example with the appropriate type of heat transfer: radiation, convection, or conduction. Explain why you think so for each example (hint: use the definitions above to help you). 1 Heat we feel from the sun. a. Why?				
2 The heat you feel when you	The heat you feel when you touch a hot stove.			
3 Heat you feel when you p	Heat you feel when you put your hands above a fire.			
Why? My spoon is hot after leaving it on the pot that was on the stove. Why?				
5 This is responsible for ma	This is responsible for making macaroni rise and fall in a pot on the stove.			
6 The heat my snake feels f	The heat my snake feels from the heat lamp above him.			
	Transfer of heat by the actual movement of the warmed matter (i.e. gas or			
a. Why?				
St 4, ob 1c Name:				

Period:	
8	The reason heating vents are usually placed on the floor of a home.
a. Why?	
9	Insulation is used to prevent this type of heat transfer.
a. Why?	
10	This type of heat transfer is trapped by green houses.
a. Why?	
	Why the dog lays down next to the wood stove.
a. Why?	
12	Why the cat sits on a stove above the stove.
a. Why?	
13	Why the kettle on the stove gets hot.
a. Why?	
14	Why you use a pot holder when getting the cookie sheet out of the oven.
a. Why?	
15	Heat you feel when you sit next to a campfire.
a. Why?	
16	Heat you feel from your electric blanket.
a. Why?	
17. Give two exam	mples each not given above or in the lesson.

Examples of Heat Transfers From Your Life

Conduction	Convection	Radiation

18. Draw an example of each type of heat transfer: convection, conduction, and radiation listed in 17.