




Conduction, Convection, and Radiation Worksheet

Name: _____

Read the example for Conduction and fill in the sections for Convection and Radiation.

CONDUCTION	
Write your definition of conduction :	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">Egg cooking in a hot pan.</div> </div>
What is happening?	When a raw egg begins to fry as it hits a heated frying pan, energy from the pan moves to the egg and cooks it.
Why is this conduction?	Example: Heat is transferred through solids from one particle to another particle or from the pan to the egg (The two objects are TOUCHING)
Why is this not an example of convection?	Non Example: It is not convection because heat is not transferred through a fluid (gas or liquid).
Why is this not an example radiation?	Non Example: It is not radiation because heat is not transferred through empty space .
CONVECTION	
Write your definition of convection :	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">Hot sand heats the air</div> </div>
What is happening?	
Why is this convection?	Example:
Why is this not an example of conduction?	Non Example:
Why is this not an example radiation?	Non Example:
RADIATION	
Write your definition of radiation :	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;">Teriberger grilling over charcoal flame</div> </div>
What is happening?	
Why is this radiation?	Example:
Why is this not an example of conduction?	Non Example:
Why is this not an example of convection?	Non Example:

REMEMBER: The transfer of heat is always from warmer objects to cooler objects!