Bellringer
Conduction, Convection, or Radiation

Matching: Use these definitions to help you with the rest of the worksheet.

_____Radiation	A. Heat transfers when objects are in contact.
_____convection	B. Heat travels in rays or waves.
_____Conduction	C. Heated gas or liquid particles expand and 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. Why?

2. The heat you feel when you touch a hot stove. Why?

3. Heat you feel when you put your hands above a fire. Why?

4. My spoon is hot after leaving it on the pot that was on the stove. Why?

5. This is responsible for making macaroni rise and fall in a pot on the stove. Why?

6. The heat a snake feels from the heat lamp above him. Why?

7. Transfer of heat by the actual movement of the warmed matter (i.e. gas or

liquid). Why?

8. The reason heating vents are usually placed on the floor of a home. Why?

9. Insulation is used to prevent this type of heat transfer. Why?

10. This type of heat transfer is trapped by green houses. Why?

11. Why the dog lays down next to the wood stove. Why?

12. Why the kettle on the stove gets hot. Why?

13. Why you use a pot holder when getting the cookie sheet out of the oven.

14. Heat you feel when you sit next to a campfire. Why?

15. Heat you feel from your electric blanket. Why?