

Name _____ Date _____ Hour _____

Conduction, Convection and Radiation

Go to my webpage and click on the link called: **HEAT TRANSFER (in class activity)**

Click on "Begin"

Read the page and tell me the three ways that heat transfers in our environment:

1. _____ 2. _____ 3. _____

Double click on the picture of the metal pot.

4. What is conduction?

5. **"Light" the burner** and tell me what happens:

6. What substances would be a good conductor? Name at least three.

a.) _____

b.) _____

c.) _____

7. What substances would be poor conductors? Name at least three.

a.) _____

b.) _____

c.) _____

Click on "Return" in the bottom right corner.

Double click on the picture of the hot air balloon.

8. What is convection?

9. What are TWO examples of a fluid?

10. What happens when a fluid is heated?

11. What happens when a fluid cools?

12. When a fluid warms and rises then cools and falls, it creates a _____.

“Light” the Stove to see a convection current.

13. What are some other examples of convection? Name at least three.

- a.) _____
- b.) _____
- c.) _____

***Click on “Return” in the bottom right corner.
Double click on the picture of the sun.***

14. What is radiation?

15. How does the sun warm the earth?

Add “Sunlight” to the house.

16. What happens to the temperature of the house when you add sunlight?

17. What are some other examples of radiation heat transfer? Name at least three.

- a.) _____
- b.) _____
- c.) _____