

Heat Transfer Webquest

Use the link below to answer the following questions about heat transfer (radiation, convection, conduction). Write the answers in your Science notebook.

http://www.wisc-online.com/objects/index_tj.asp?objID=SCE304

1. Conduction is the transfer of heat between _____.

2. Why does the hand need an oven mitt in order to pick up the pot from the stove?

3. List four good conductors and four poor conductors:

Good conductors:

Bad Conductors:

4. Convection is the up and down movement of _____ and _____ caused by heat transfer.

5. What happens to the air as the stove heats it?

6. What happens to the air as it gets farther from the heat source?

7. List four examples of convection:

8. When _____ travel through space it is called radiation.

9. What happens to the temperature of the house as the sun's radiant energy touches it?

10. List three examples of radiation: