Heat Transfer

Cut out the boxes and sort them on the graphic organizer on the next page. Glue the final product in your notebook.

1. Microwave
2. Hot air popper
3. Hot plate/burner
4. Transfer of heat through contact with EM waves
5. Transfer of heat through a fluid that moves in currents – hot air rises, cools then falls
6. Transfer of heat through direct contact with heat source
7. Touching a metal spoon that is sitting in a pot of boiling water
8. Spaghetti rising and falling in a pot of boiling water
9. Weather
10. Earth’s Mantle
11. Ocean or Lake Currents
12. A person placing their cold hands over a warm fire
13. A person placing their hand over a hot burner
14. A pot sitting on a hot burner
15. How the inside of a greenhouse works
16. Lying out in the sun to get a tan
17. Picking up a hot cup of coffee
18. Putting your wet bathing suit on a floor vent to dry them faster
19. Using a heating blanket to get warm
20. Ouch!
21. Spaghetti rising and falling in a pot of boiling water
22. How the inside of a greenhouse works
23. Putting your wet bathing suit on a floor vent to dry them faster
24. Using a heating blanket to get warm
25. Ouch!
26. Lying out in the sun to get a tan

After completing the activity, answer these questions.

1. Define/Explain heat transfer.
2. Are heat and temperature the same?
Questions
1. Heat transfer – the movement of thermal energy (total energy of all particles in an object) from matter at a higher temperature to matter at a lower temperature.
Heat Transfer

- Conduction
- Convection
- Radiation