- 1. Define "ENERGY".
- Successfully transferring energy from one source to another is a foundation for _____, ____, and _____.
- 3. What is the source of energy on Earth?
- 4. In a sentence or two, paraphrase the process of how the sun turns into energy for those who eat it (animals and humans).

5. Define HEAT.

- 6. In chemistry, a ______ is a unit of heat measurement.
- 7. One calorie is defines as :
- 8. What are most people actually referring to when they say the term "calorie"?

9. 1 kcal = _____1000 calories_____

- 10. Another unit of measurement used by chemists is known as _____joule_____.
- 11. Molecular motion in a gas is fast. Why is this?

- 12. WHY is molecular motion in liquids more restricted?
- 13. WHY is molecular motion in solids most restricted?

- 14. How do ALL molecules respond when heat energy is added?
- 15. How is the increased activity measured?
- 16. Define TEMPERATURE.
- 17. What does lowering the temperature of something do to the molecular motion?
- 18. Define SPECIFIC HEAT.
- 20. How is heat energy passed in CONDUCTION?
- 21. Draw figure 11-2 to remind you how conduction works.

22. How long does energy transfer during conduction heating?

UNTIL....

23. Paraphrase how making pancakes illustrates the process of conduction.

24. Define CONVECTION.

- 25. What is a good example of something cooked by convection?
- 26. Define RADIATION.
- 27. What is a good example of radiation in cooking?
- 28. What is the ultimate source of radiant heat on Earth?
- 29. How does bread in the toaster feel the same way you feel when you are in the sunshine?
- 30. Which types of heat are transferred when baking cookies?

32. Microwaves usually cook foods in ______ time than other methods.

- 33. What are the three factors that influence whether or not a cooked food is fit to eat?1.
 - 2.
 - 2. ว
 - 3.
- 34. What is the main control over the rate at which molecular changes take place?
- 35. Why does a pan with 1 cup of water boil faster in a big, shallow pan as opposed to a deep pot?
- 36. What are the four most common heat media?
- 37. What are 2 examples of ways to cook with air?
- 38. What are 2 examples of how to cook with water?
- 39. What fuels your bodies activities?
- 40. How are excess calories stored in the body?

- 41. Define OBSEITY.
- 42. People often worry too much about the amount of calories they consume, and not the content of the calories. DO you think this way?

43. How is maintaining a healthy weight like keeping a budget?

- 44. How does your body lose 1 pound?
- 45. What is a good, healthy amount of calories to cut out of your diet per day?

46. How long would it take you, then, to lose a pound?