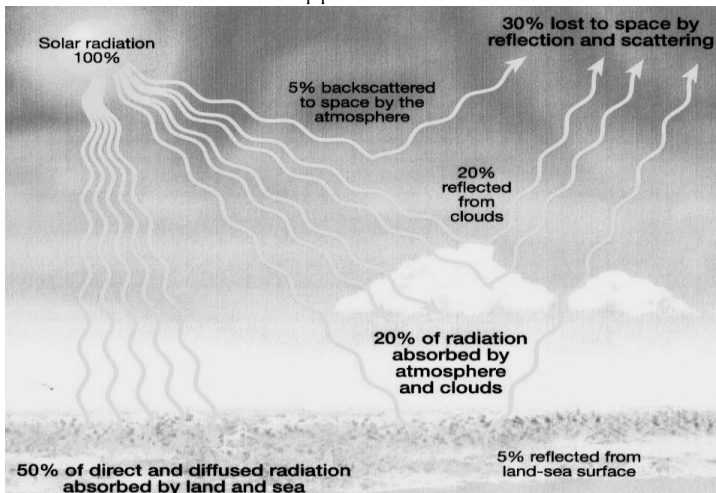


Section 17.2 & 17.3

1. What is heat?
2. What is temperature?
3. What is conduction and give an example?
4. What is convection and give an example?
5. What is radiation and give an example?
6. Describe what happens to solar radiation when it strikes an object. Use the picture below to help.



7. What accounts for the blue color of daytime sky?
8. List 3 factors that influence temperature?
 - a.
 - b.
 - c.
9. Why is it that Winnipeg, Canada has a greater temperature variation than Vancouver, Canada even though they are located roughly at the same latitude? (see page 489)
10. Why is it that New York City has a greater temperature range than Eureka, CA even though they are at the same latitude? (see page 490)

11. Why is it that 2 cities in Equador near the Equator have different temperature year round? (see page 491)

12. Why is it that Spokane has a greater temperature range than Seattle? (see page 491)

13. What happens to the temperature on a cloudy day? Why?

14. What happens to the temperature on a cloudy night? Why?

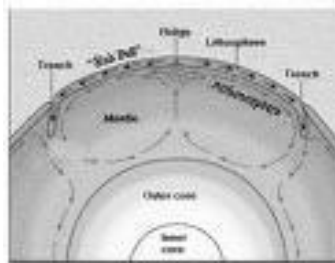
15. Identify what type of heat transfer is being used for each picture below.



(Hint: how is the food cooked?)

(Hint: what will happen if you grab the utensil without a pot holder?)

(Hint: how is the liquid on the top cooked?)



(Hint: how does this warm you up?)

(Hint: what causes Earth's plates to spread apart?)

(Hint: what will happen to the "Stop" sign?)