

## SECTION

## 2

## Reinforcement

# Energy Transfer in the Atmosphere

**Directions:** Answer the following questions on the lines provided using information from the graph.

1. Why doesn't all radiation directed at Earth reach the surface?

\_\_\_\_\_

\_\_\_\_\_

2. What percent of radiation is lost before reaching Earth's surface?

\_\_\_\_\_

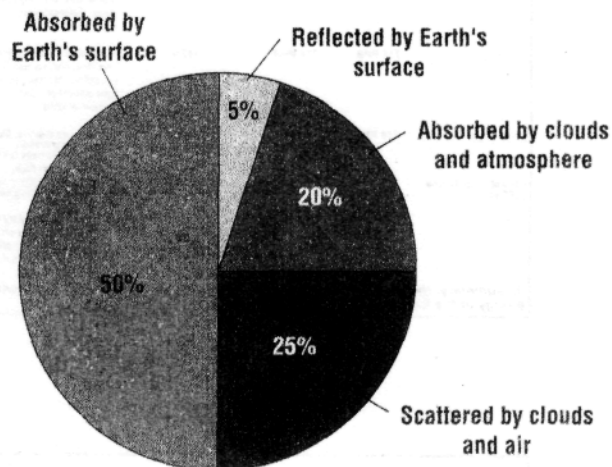
3. What percent of radiation is lost after reaching Earth's surface?

\_\_\_\_\_

4. What factors in the atmosphere seem to have the greatest effect on the amount of radiation received from the Sun?

\_\_\_\_\_

What happens to radiation coming to Earth from the sun?



**Directions:** Complete the chart using the correct terms and phrases from the chapter. Then answer the following questions on the lines provided.

Types of heat transfer	How they are produced
5. Radiation	produced by _____
6. Conduction	produced by _____
7. Convection	produced by _____

8. If you put a frying pan on a burner on a stove and turn the burner on, the bottom of the frying pan gets hot. What type of heat transfer has occurred?
- \_\_\_\_\_
9. When you get in a closed car on a sunny day and the temperature inside is much warmer than outside, what type of heat transfer has taken place?
- \_\_\_\_\_
10. In some home heating systems, warm air is blown by a furnace fan into one side of a room. On the other side of the room cold air sinks to the floor. What type of heat transfer is this?
- \_\_\_\_\_