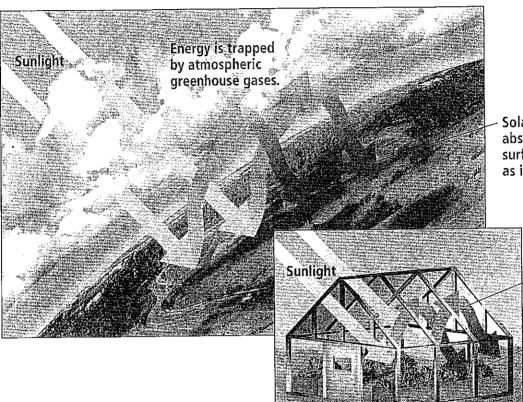
Use with Chapter 14 Section 14.4

The Greenhouse Effect



Solar radiation is absorbed by Earth's surface and released as infrared radiation.

> Infrared radiation cannot pass through greenhouse glass.

Solar radiation is absorbed by soil and other materials and released as infrared radiation.

NAME:

4) How is the atmosphere heated?

DATE

PD

WS 41: The Greenhouse Effect

Using the illustration on the other side, answer the following questions with the BEST possible answers.

What is the source of the energy in the greenhouse?
What happens to solar energy inside the greenhouse?
What is the source of energy entering Earth's atmosphere?

5) Compare and contrast the heating of the greenhouse with the heating of the atmosphere?

6) How would Earth be different if there was NO greenhouse effect?

7) What are the two sources of energy that Heat Earth's surface?