

Content Vocabulary

LESSON 2

Energy Transfer in the Atmosphere

Directions: *On each line, write the term that correctly replaces the underlined words in each sentence.*

- | | | | |
|-------------------|-------------------|------------------------------|------------------|
| conduction | convection | process | radiation |
| reflect | stability | temperature inversion | |

- _____ 1. In the area of the atmosphere that is closest to Earth’s surface, the transfer of thermal energy by collisions between particles of matter occurs.

- _____ 2. About one-quarter of the Sun’s radiation does not reach Earth because clouds and small particles in the air bounce back solar waves.

- _____ 3. Visible light, ultraviolet light, and infrared radiation waves are types of electromagnetic waves that transfer thermal energy from the Sun.

- _____ 4. Close to Earth’s surface, where conduction occurs, the transfer of thermal energy by the movement of matter from one place to another can also occur.

- _____ 5. The formation of thunderstorms depends on the strength or weakness of circulating air motions of the atmosphere.

- _____ 6. A layer of cooler air near Earth’s surface is trapped by a layer of warmer air when a condition in the troposphere that involves a temperature increase with altitude occurs.

- _____ 7. The Sun’s energy reaches Earth through an ordered series of actions known as radiation.

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