

Transfer of Energy

Radiation, conduction, and convection move energy from place to place.

warm air

- Molecules move faster.
- Molecules are farther apart.
- Warm air is less dense.
- Warm air carries more energy than cool air.

cool air

- Molecules move slower.
- Molecules are closer together.
- Cool air is more dense.

1 **Radiation** Sunlight warms the ground.

2 **Conduction** The warm ground heats the air.

3 **Convection** Cool, dense air sinks downward and pushes warm air out of the way. Warm air carries energy upward.