

## Chapter 4 terms

Understand the concept of land and water heating differences.

Be able to describe the global temperature patterns.

Understand and be able to describe each mechanism of heat transfer.

Understand the basic heating and cooling processes in the atmosphere.

Absorption

Adiabatic cooling

Adiabatic warming

Advection

Albedo

Average lapse rate

Condensation

Conduction

Convection

Convection cell

Electromagnetic radiation

Energy

Environmental lapse rate

Global warming

Greenhouse effect

Greenhouse gases

Heat

Infrared radiation

Isotherm

Latent heat

Radiant energy

Radiation

Reflection

Scattering

Temperature

Temperature inversion

Transmission

Ultraviolet (UV) radiation