



## Earth's Energy Budget Definitions

Name \_\_\_\_\_  
Period \_\_\_\_\_

Energy = Something has energy when it has the ability to change its surroundings (work or heat). Energy is usually measured in Joules. Energy used over a given time is Power which is measured in Watts.

Heat = thermal energy or energy that increases a body's temperature, energy transfer due to heat can be through conduction, radiation, and convection

Radiation = energy transfer through the electromagnetic spectrum at different wave lengths (ultraviolet, visible light, infrared)

Light = one type of radiation, visible wavelengths

Reflect = change of direction of light/radiation

Absorb = To take up. For example, light energy can be absorbed by an object, and the object then heats up.

Temperature = measure of internal energy

Equilibrium state = A state of balance

Variable = factors that change and can impact the system. This word can used as a noun or adjective.

System = a set of interactions set apart from the rest of the universe for the purposes of study, observation, and measurement.