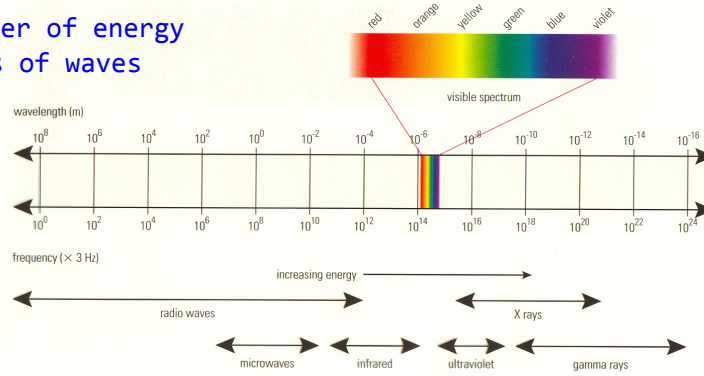


# Earth's Energy Balance

## Radiation

- transfer of energy by means of waves

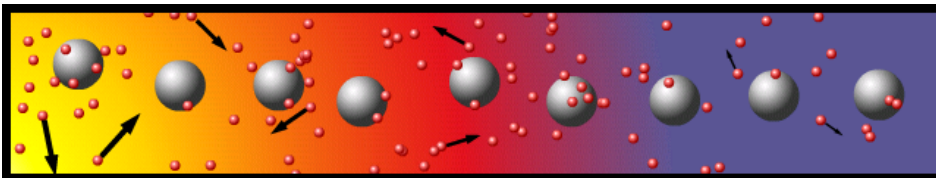


## Electromagnetic spectrum

- the set of waves that can travel through space at the speed of light

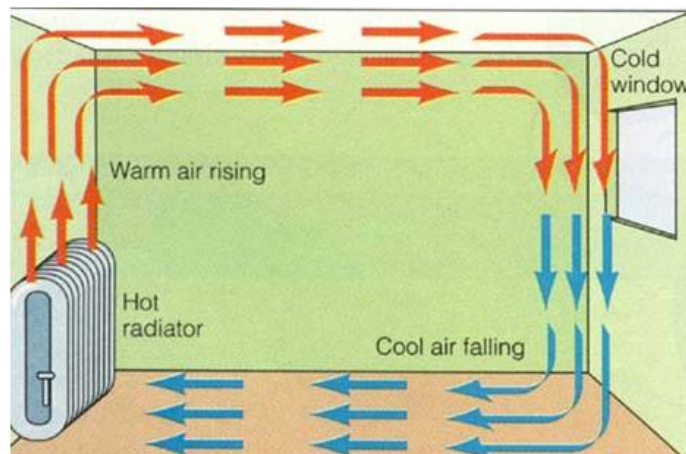
## Conduction

- energy transfer mostly because of the collision of particles



## Convection

- transfer of energy by the movement of particles in a fluid.
- fluid can be either a liquid OR a gas



## Reflection and Absorption

- '**albedo**' is a measure of the amount of light that an object reflects
- any object or material that absorbs heat energy is called a '**heat sink**'
- '**heat capacity**' is a measure of an objects ability to absorb or give off heat energy as it heats up or cools down.
- high heat capacity means that it takes a lot of heat energy to increase the temperature, but it retains this heat longer.

