


Light Energy

A type of energy that travels in waves and can move through empty space where there is no air.




Light Energy
Also Known As:
Electromagnetic Energy
or
Types of Radiation

Most Energy to Least Energy


1. Gamma Rays
2. X-Rays
3. Ultraviolet Rays
4. Visible Light
5. Infrared
6. Microwaves
7. Radio Waves

Laser

A very focused beam of light used for things like CD players, laser pointers, and eye surgery.




Lens



A clear piece of curved glass or plastic that bends passing light to focus or spread the light rays.


Refraction




Energy waves that bend (change direction and speed) as they pass from one type of object to another.

X Rays

A kind of light energy, x rays travel in high-energy radiation waves.



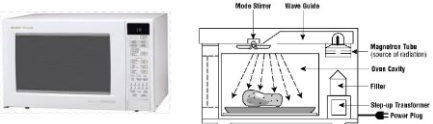
Reflection



Energy waves bouncing off the surface of an object (Mirrors or echoes return energy back to the source.)


Microwaves

A short electromagnetic wave used for radar and for microwave ovens.



Prism

A piece of glass or other material used to refract light. Breaks light into the colors of the rainbow (color spectrum).




Density

Density is the amount of mass in an object.
(Density will not change even if the force of gravity changes)


Substance

Matter which has specific properties. Iron and water are substances.



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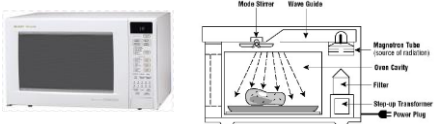
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