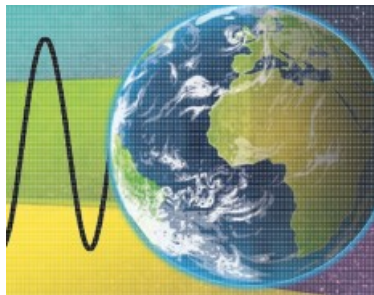


Science Knowledge Map - Autumn 2- Light

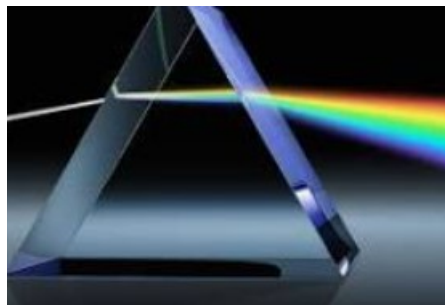
transparent	Describes objects that let light travel through them easily, meaning you can see through the object.
translucent	Describes objects that things let some light through, but scatters the light so we can't see through them properly.
opaque	Describes objects that do not let any light pass through them.

Vocabulary

1	light	A form of energy that travels in a wave from a source
2	Light source	An object that makes its own light
3	Incident ray	A ray of light that hits a surface
4	Reflected ray	A ray of light that has bounced back after hitting a surface
5	reflection	Reflection is when light bounces off a surface, changing the direction of a ray of light
6	Law of reflection	The angle of the incident ray is equal to the angle of the reflected ray
7	shadow	An area of darkness where light has been blocked



Wave



Prism



Refraction



Visible spec-



LARGE SHADOW when the toy is close to the light

SMALLER SHADOW when the toy is further from the light

TINY SHADOW when the toy is a long way from the light