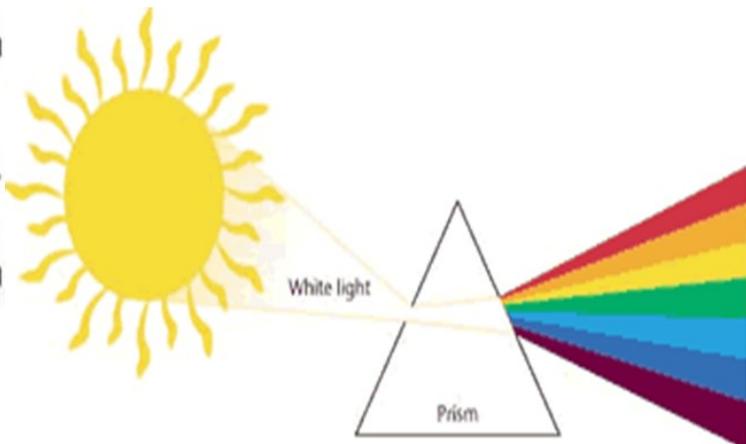
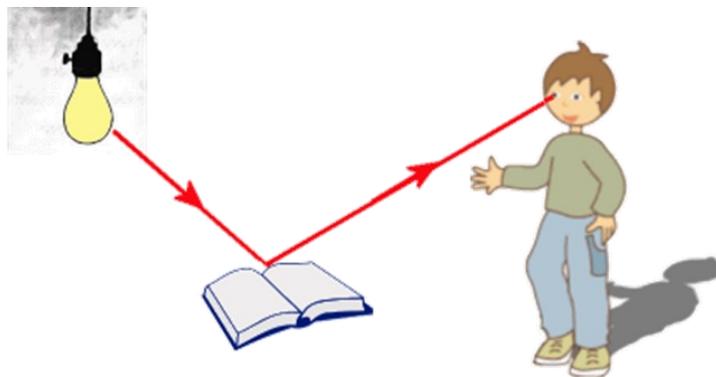
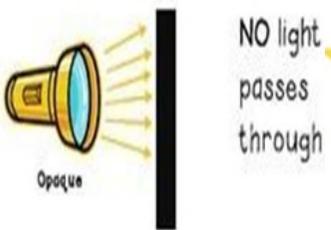
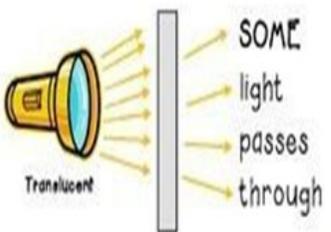
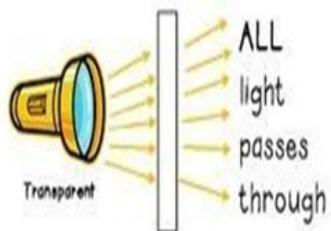


### Translucent, Transparent & Opaque



# Vocabulary

1	Eyes	Globular organs of sight in the head of humans and vertebrate animals
2	Filter	Pass through a device to remove unwanted material (liquid, gas, light or sound)
3	Light	The natural agent that stimulates sight and makes things visible
4	Light source	Something that provides light, whether it be a natural or artificial source of light (e.g. the sun, a torch)
5	Periscope	An apparatus consisting of a tube of attached to a set of mirrors or prisms through which an observer can see things that are otherwise out of sight
6	Rainbow	An arch of colours visible in the sky, caused by the refraction and dispersion of the sun's light by rain or other water droplets in the atmosphere
7	Reflection	The throwing back by a body or surface of light, heat or sound without absorbing it
8	Refraction	The bending of light as it passes from one substance to another with the bending caused by the difference in density between two substances
9	Shadow	A dark area or shape produced by a body coming between rays of light and a surface
10	Spectrum	A band of colours, as seen in rainbows, produced by separation of the components of light by their different degrees of refraction

## Key Facts

1	Light travels faster than anything else in the universe. In a vacuum, it travels at a speed of 186,282 miles per second.
2	Light usually travels on a straight path, but it bends – or refracts – when traveling through a transparent object. A prism is a good example of refracted light.
3	Light is a form of energy, and a pretty important one. Without light, life on our planet would die. Sunlight warms our planet and helps plants grow.
4	Magnifying glass refracts light giving an enlarged view of objects.