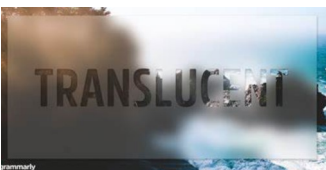
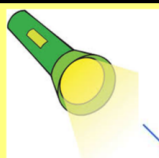




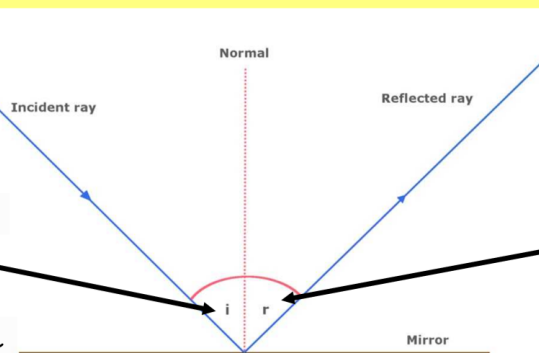
Vocabulary

Word	Picture	Definition
Medium		A substance (or matter) that something travels through E.g. water, air, an object
Opaque		Something that blocks light.
Periscope		A tube containing mirrors which helps a person get a view that would otherwise be out of sight.
Translucent		Something that allows some light to pass through it but some of the light changes direction as it passes through the object. This means something seen on the other side of a translucent object is not clear.

How is light reflected?

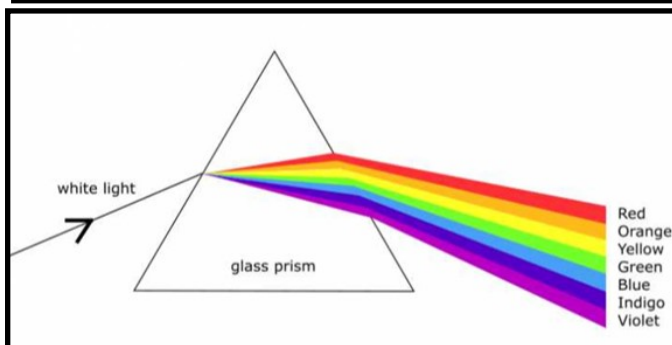


When light is reflected onto a mirror, the angle that it reaches the mirror at is called the angle of incidence (i).



The light that is reflected off the mirror is called the angle of reflection (r).

The angle of incidence and the angle of reflection are the same size.

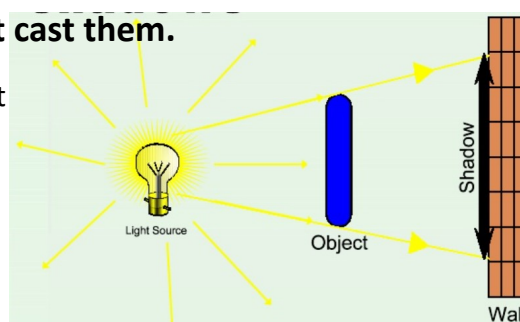


Why do we see colour?



Shadows are the same shape as the objects that cast them.

Light travels in straight lines and when the opaque object blocks the light, it cannot travel through it. The only light reaching the wall is at the edges of the object so the shadow (where no light is) is the object's shape.

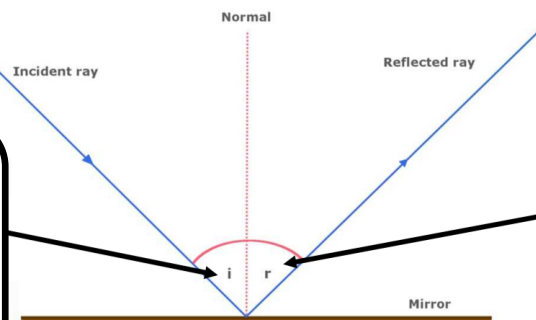




Vocabulary

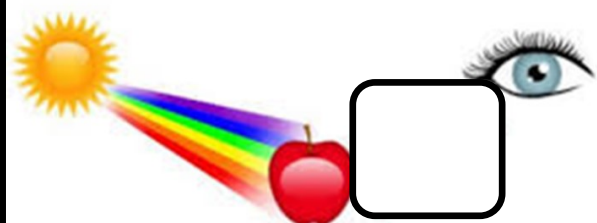
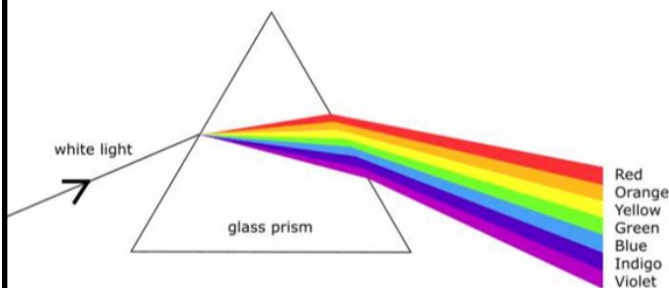
Word	Picture	Definition
	SOLID LIQUID GAS	A substance (or matter) that something travels through E.g. water, air, an object
Opaque		
		A tube containing mirrors which helps a person get a view that would otherwise be out of sight.
		Something that allows some light to pass through it but some of the light changes direction as it passes through the object. This means something seen on the other side of a translucent object is not clear.

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