
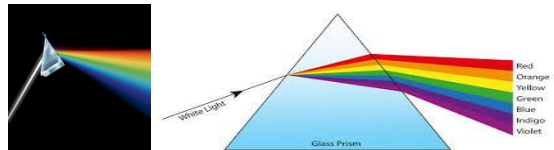





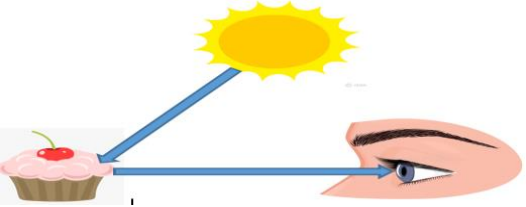
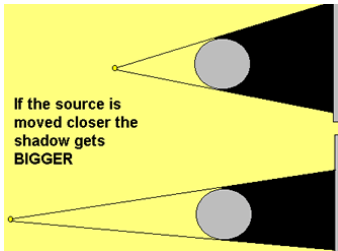


LIGHT – Knowledge Organiser Year 6 Spring 2

Vocabulary		Properties of Light	Refraction & Spectrum of Light
light	A type of energy. It stimulates our eye to send signals to the brain so that we can see.	1. Light appears to travel in straight lines 	White light can be refracted through a prism to split it into its different colours (spectrum): 
light source	The origin of light (where light comes from). Can be natural or artificial.	2. Light travels very fast!  300,000,000 metres per second!	The spectrum of white light is RED, ORANGE, YELLOW, GREEN, BLUE, INDIGO and VIOLET.
ray	The straight path with which light travels.	3. When blocked, it creates a 	
reflect	When light bounces off an object without being absorbed. [Noun = reflection].	How We See	Shadows
refract	When light changes direction as it passes through one material into another. [Noun = refraction].		Shadows have the same shape as the objects that cast them 
emit	To produce and give off/out a type of energy (e.g. light or sound).	We can see objects because they give out light or reflect light into our eyes. 	Shadows change length and direction during the day: 
transparent	Allows all light to pass through.		Shadows change in size depending on the distance between the object and light source: 
translucent	Allows some light to pass through. Objects on the other side of a translucent object can't be seen clearly.		
opaque	Not able to allow any light to pass through.		
periscope	A piece of equipment using two mirrors set at 45°. It enables us to view objects which would be out of sight.		
spectrum	A range of colours produced by separating out white light (as seen in a rainbow). Red, Orange, Yellow, Green, Blue, Indigo, Violet		

