

# Light – Knowledge Organiser

**Absorb:** when objects take in light energy and do not reflect it back

**Concave:** curves inwards

**Convex:** curves outwards

**Darkness:** the absence of light

**Light source:** something that gives off light when it is heated or burned or when chemicals inside it react with each other

**Opaque:** a solid object that you cannot see light through

**Reflect:** bounce off

**Reflection:** an image seen in a mirror or shiny surface

**Reflective:** something that light bounces off

**Shadow:** a dark shape that is made when an object blocks light

**Translucent:** a cloudy object that you can see light through

**Transparent:** a clear object that you can see light through

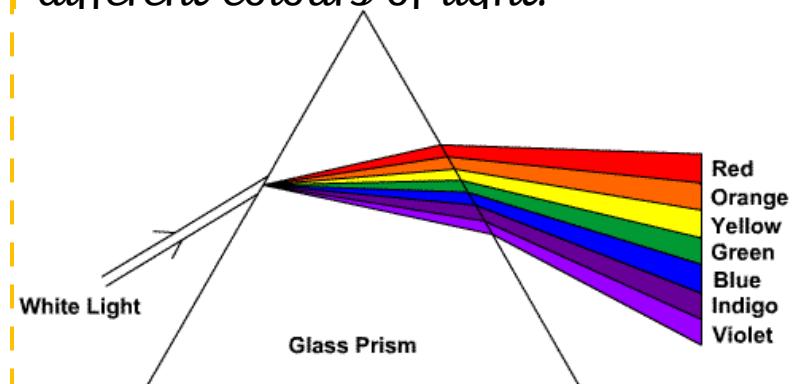
**Ultraviolet (UV) light:** light given off by the Sun that can damage our eyes and cause sunburn

Shadows form when the sunlight is blocked.



**Light:** a natural agent that simulates sight to see objects. It can only travel in straight lines. Light bounces off everything we see. We need light so that we can see the world around us.

**Visible light (white light):** light that we can see. It is made up of seven different colours of light.



**Refraction:** when light changes direction

**Dispersion:** when visible light is split into seven colours

**Remember:** Never look directly at the Sun, even with sunglasses on.