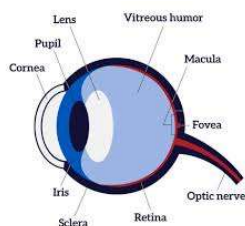


Light

Unit Vocabulary – Join them up with the correct definition once you have learned it,

| | |
|--------------|---|
| dark | Light produced by the sun. Invisible to the naked eye. Has positive and negative effects. |
| UV light | Light can pass right through |
| reflect | An area of darkness where light has been blocked. |
| absorb | Something which produces it's own light |
| opaque | Light bounces off a surface |
| translucent | The absence of light |
| transparent | Some light can pass through |
| Light source | Light cannot pass through |
| Shadow | Light is taken in and not reflected back |

How we see light

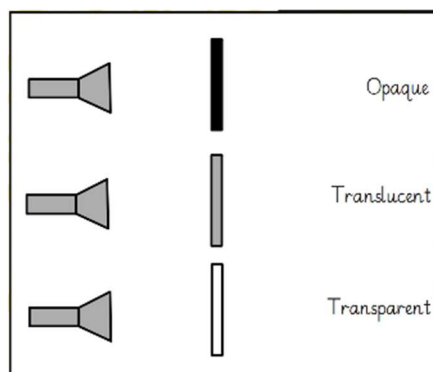


Key Knowledge

We need **light** to be able to see things. **Light** travels in a straight line. When **light** hits an object, it is **reflected** (bounces off). If the **reflected light** hits our eyes, we can see the object. Some surfaces and materials **reflect light** well. Other materials do not **reflect light** well. **Reflective** surfaces and materials can be very useful...

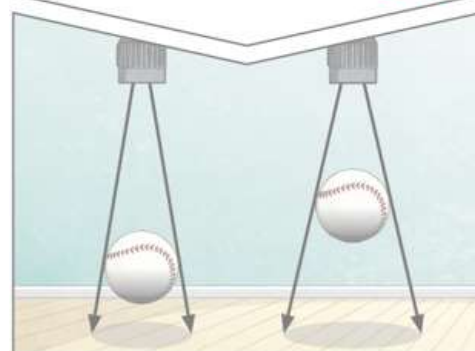
hi-vis jacket

cat's eyes



Fill in the lines to show what happens.

A **shadow** is caused when **light** is blocked by an **opaque** object. A **shadow** is larger when an object is closer to the **light** source. This is because it blocks more of the **light**.



Scientific Enquiries

1. How do we see light and dark?
2. What are the effects of UV light?
3. How do different surfaces reflect light?
4. How do mirrors work?
5. How are shadows created?
6. What makes shadows change?

