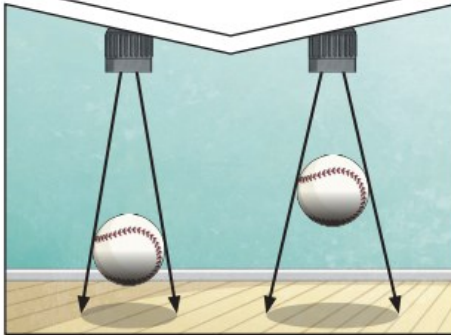


Light

Find patterns in the way that the sizes of shadows change

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**.



Understand how to protect eyes from the sun

To protect your skin from UV rays, you can cover up or wear sun cream. But what can you do to protect your eyes?

There are several things you should do to protect your eyes from the sun or other bright lights.

You should wear sunglasses when out in the sun. Sunglasses have a UV rating to show how well they block UV rays. Make sure you get sunglasses with a high UV rating.



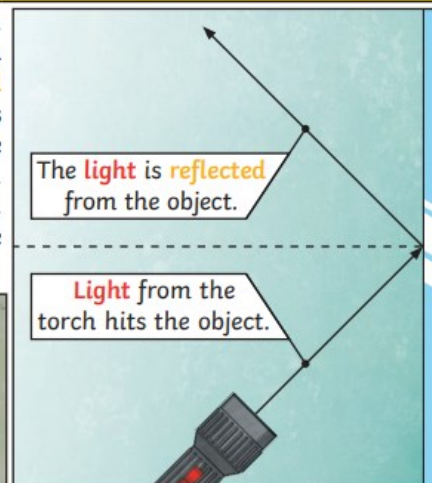
Notice that light is reflected from surfaces

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



The **light** is **reflected** from the object.

Light from the torch hits the object.

Key Words	Definition
Reflection	When light bounces off a surface, changing direction
Shadows	An area of darkness where light has been blocked
Natural	Existing from nature so not made by a human
Artificial	Made or produced by humans so not natural
Surface	The outside part or the top layer of something
Protect	Keep safe from harm or injury
Solid	a substance or object that is solid rather than liquid
Dark	The absence of light
Light	A form of energy that travels in a wave from a source