# Light and Shadows





#### Objects that give out light are called sources of light.













#### Shadows

Shadows are created when a source of light shines on an object but the light is blocked and does not pass through it.



Opaque

When light will not pass through an object.

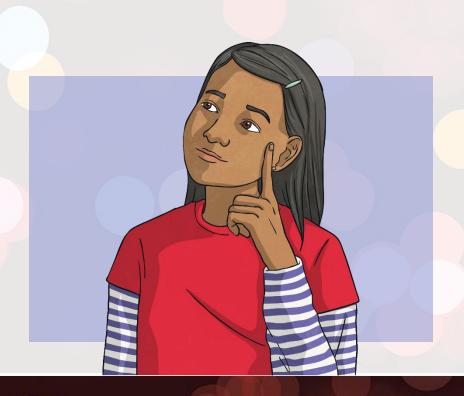
**Translucent** 

When an object allows some light to pass through it.

**Transparent** 

When light passes through an object.

Are the following objects opaque, translucent or transparent?



#### A book



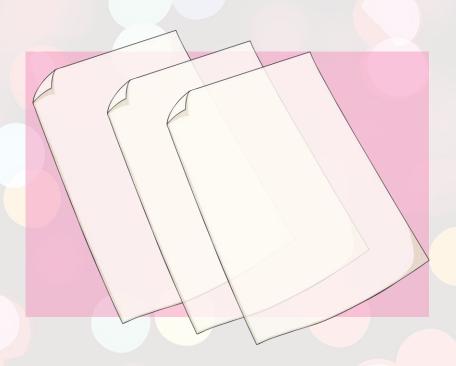
Opaque

### A glass



Transparent

## Tracing paper



Translucent

Which sort of objects make the darkest shadow?

How can you change the size of a shadow?

