

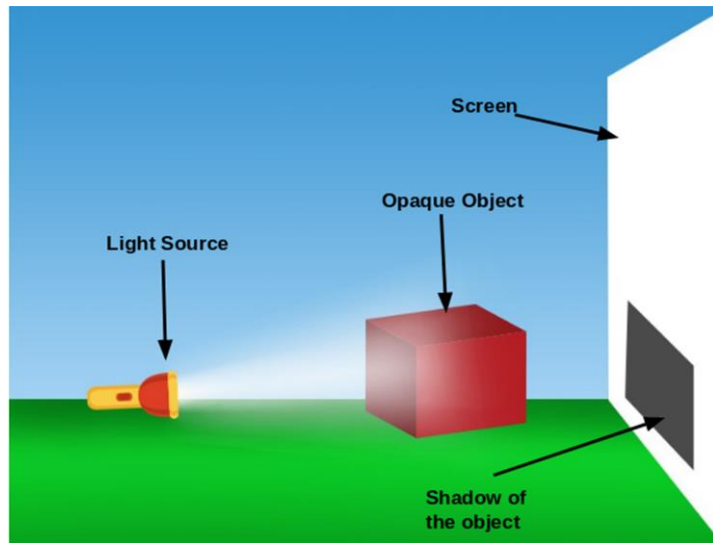


LIGHT

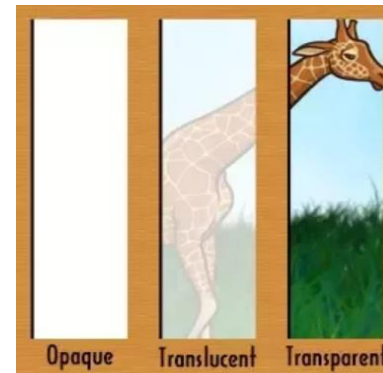
KNOWLEDGE ORGANISER

Assessment question: How are shadows formed?

Creating shadows



Transparent, translucent and opaque



Transparent – all of the light passes through. We can clearly see through them.

Translucent – only some light passes through. We can partially see through them.

Opaque – no light to passes through. We cannot see through them at all.

Key vocabulary

light, dark, reflect, shadow, object, natural, artificial, opaque, translucent, transparent, absorption, reflection, transmission

Protection from light

Sunlight can be dangerous for our eyes and skin. The light contains UV rays that can cause damage.



1. Wearing sunglasses – to reduce the amount of light (and also the UV rays) that reaches our eyes.

2. Covering up – clothes block some of the UV rays that can damage our skin.

3. Sun cream – stops our skin from absorbing as many UV rays, protecting it from harm.

Windows

Water

Air

Frosted Glass

Tracing Paper

Flower Petals

Table

Sofa

Brick

Transparent Objects

Translucent Objects

Opaque Objects