

Nova's Bright Light Flashcards

Learning objective: To identify light sources, understand how shadows are formed, and recognise that light travels in straight lines.

Use these cards to test your knowledge about light. Nova the owl wants to see how much you have learned about how we see the world!

What is a light source?

An object that makes its own light, such as the Sun, a lamp, or a candle.

Does the Moon produce its own light?

No, the Moon is not a light source; it reflects light from the Sun.

How does light travel?

Light travels in straight lines.

What happens when light hits an opaque object?

A shadow is formed because the light cannot pass through the object.

What do we call a material that allows all light to pass through it?

Transparent (e.g., clear glass).

What do we call a material that allows some light to pass through?

Translucent (e.g., tissue paper).

What happens when light hits a shiny, smooth surface?

It bounces off, which is called reflection.

Why is it dangerous to look directly at the Sun?

The light is very bright and intense, which can damage your eyes.

How does a shadow change when an object moves closer to a light source?

The shadow usually gets larger.

What is the name of a material that lets no light pass through it?

Opaque.

If you are in a completely dark room, can you see objects?

No, you need light to enter your eyes to see objects.

Why do we wear sunglasses on a very bright day?

To protect our eyes from too much bright light.