Lesson2 : How does Light make Shadows?

Target: To identify the difference between opaque, transparent and translucent.

Scattering: photons bounce off at random angles.

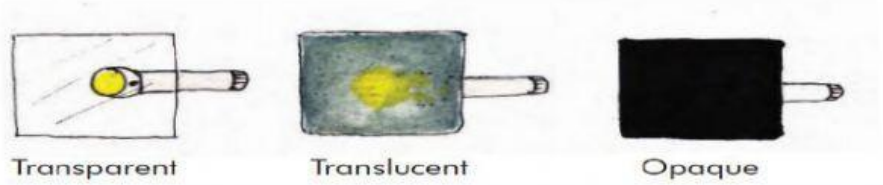
We see objects because light has scattered off them and entered our eyes. Or a photon is absorbed by object and gain heat energy.

Darker objects absorb more light than lighter object.

When light shines on an object, one of three things can happen:

1. If light passes through, the object is **transparent.**
2. If light is blurred, the object is **translucent.**
3. If light is blocked, the object is **opaque.**





T: classify objects as transparent, translucent or opaque


Glasses


Door


Sun hat


Black card


Stain-glass window


Window


Net curtain


Magnifying glass


Brick wall


Tissue paper


Sunglasses


Selotape

Opaque, translucent and transparent depend on its:

1. Materials 2. Thickness 3. color

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