

Absorption

Jan 6

- Absorption of light occurs when an object does not reflect or transmit the light.
- Black objects absorb all light and white objects absorb no light.
- Whatever color or wavelength of light is absorbed, the opposite color is reflected.
 - Ex: An object that appears red is absorbing blue and green wavelengths.

[Light Absorption and Reflection - YouTube](#)



Light Absorption and Reflection



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Shadows



February 2nd is Groundhog Day! As the tradition goes, if a groundhog emerges from its burrow and sees its shadow, spring is still 6 weeks off; if the groundhog doesn't see his shadow, it means warmer weather is on its way.

Have you ever wondered what causes shadows? Or how a shadow might change shape depending on the time of day or time of year? Look around you now; If you are in a lighted space, chances are you will see a shadow because shadows are all around us.

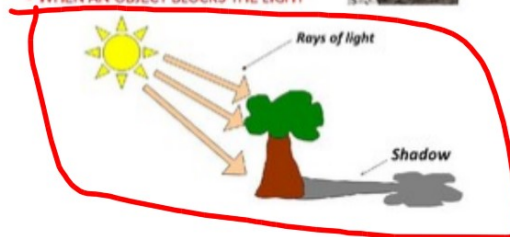


Shadows -the absence of light. Light is a form of energy that travels in a straight line until it hits an object. If the object blocks the light from passing through it, that creates an area of darkness—a shadow—on the other side.

[LEAKED! Hilarious Shadow Puppets - AGT 2023 Early Release \(youtube.com\)](#)

SHADOWS

- How are shadows formed?
- WHEN AN OBJECT BLOCKS THE LIGHT



[Shadow Ace Full Performance | America's Got Talent 2023 Semi Finals Week 4](#)

[35 Cool Examples of Shadow Art || BiSmile - YouTube](#)

[Shadow Ace WOWS the judges with amazing hand shadows! | AGT: Fantasy League 2024 \(youtube.com\)](#)

Light rays are represented as straight paths.

When they are blocked by solid objects, shadows are formed.

