

# See The Light

Storytelling with Light



Light



# Light



LEARNING  
VIDEOS  
CHANNEL

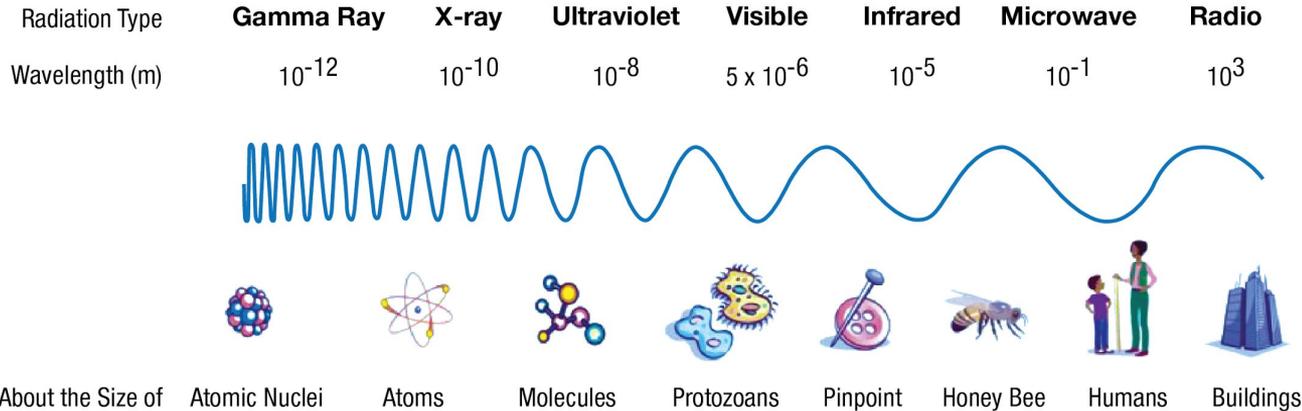
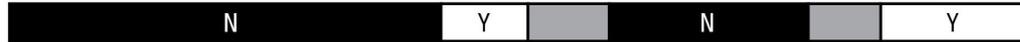
# Light



# Light

## THE ELECTROMAGNETIC SPECTRUM

Penetrate Earth's Atmosphere

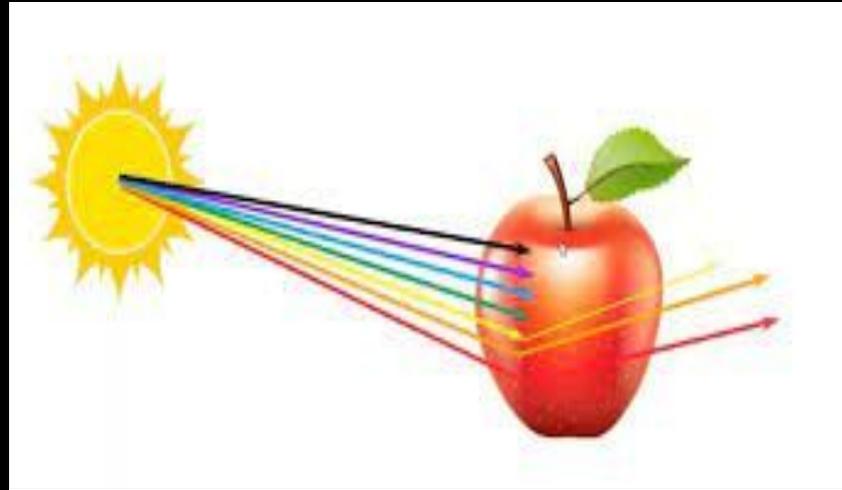
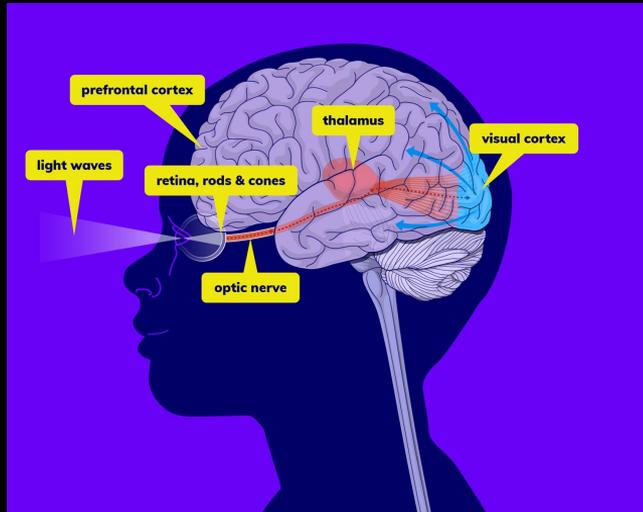


Short wavelength  
High energy  
High frequency



Long wavelength  
Low energy  
Low frequency

# How we see color

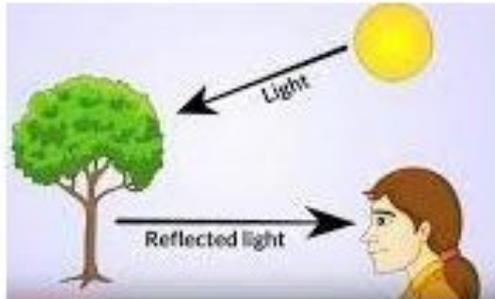


# Reflection v/s Refraction

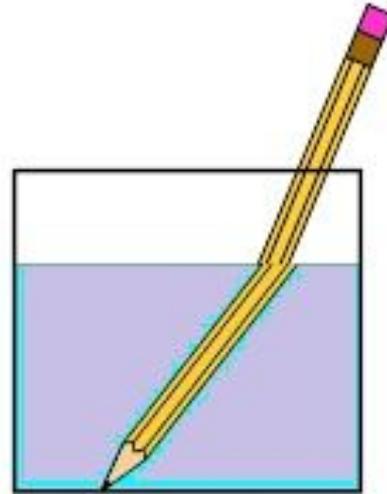


# Reflection v/s Refraction

## Difference Between Reflection and Refraction

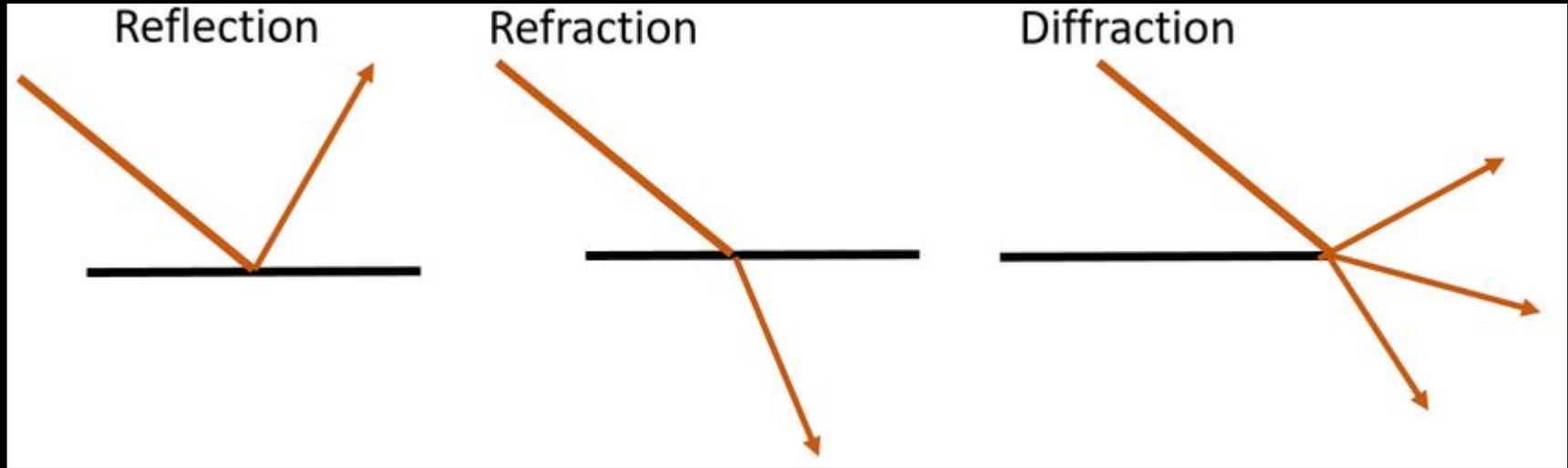


Reflection of light

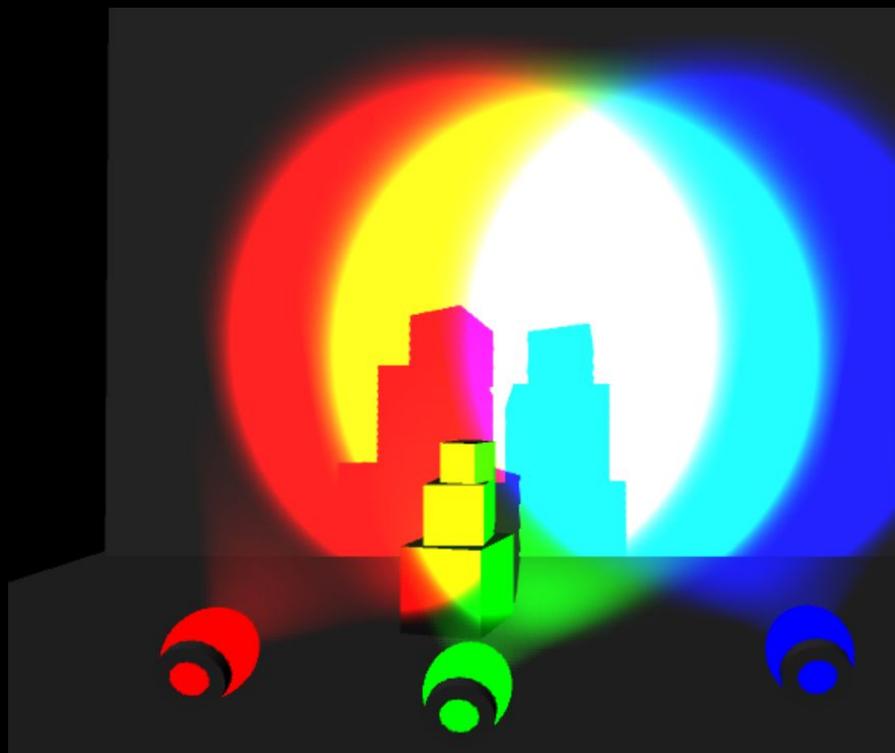


Refraction

# Movement of Light



# Play With Color Simulator



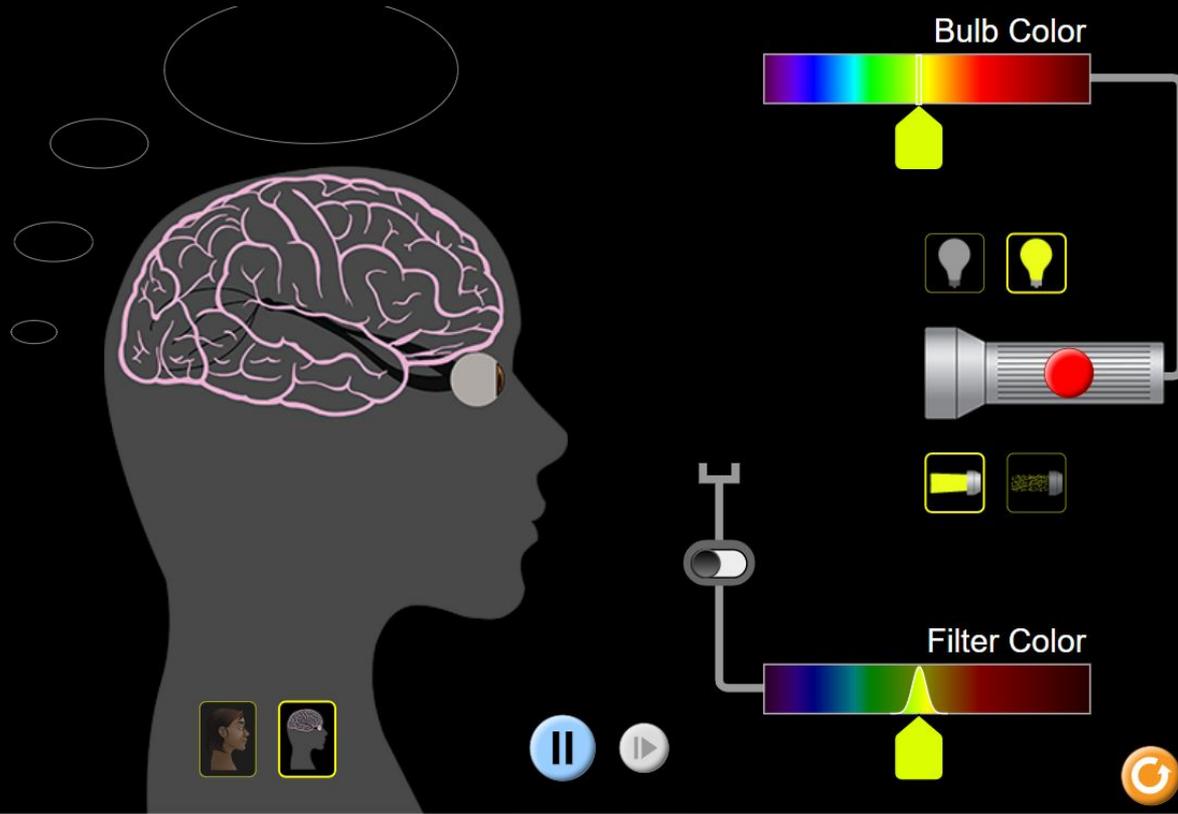
CHANGE OBJECTS

BRIGHTNESS



RESET

# Play With Color Simulator - PhET



# Bend Light - PhET

The screenshot shows the PhET 'Bend Light' simulation interface. A red laser ray originates from a grey laser pointer on the left, passes through a vertical dashed line representing the normal, and refracts towards the normal as it enters a blue region representing water. The interface includes several control panels:

- Top Left:** Radio buttons for 'Ray' (selected) and 'Wave'.
- Top Right:** A panel for the upper medium (Air) with a 'Material' dropdown set to 'Air', an 'Index of Refraction (n)' input set to 1.00, and a slider below it.
- Bottom Right:** A panel for the lower medium (Water) with a 'Material' dropdown set to 'Water', an 'Index of Refraction (n)' input set to 1.33, and a slider below it.
- Bottom Left:** A yellow protractor icon, a green 'Intensity' icon, and a checked 'Normal' checkbox.
- Bottom Center:** A navigation bar with icons for 'Intro', 'Prisms', 'More Tools', and a home icon.
- Bottom Right:** A circular refresh icon and the PhET logo.

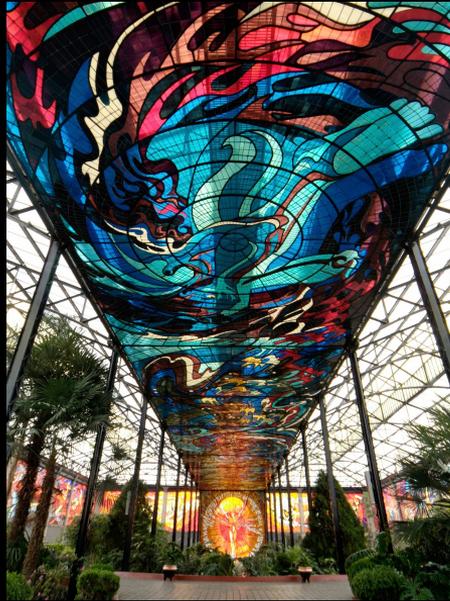
Bending Light



# Inspiration



Palau de la Música Catalana,  
Barcelona, Spain



Cosmovitral Botanical  
Garden, Toluca, Mexico



Nasir Al-Mulk Mosque, Shiraz, Iran

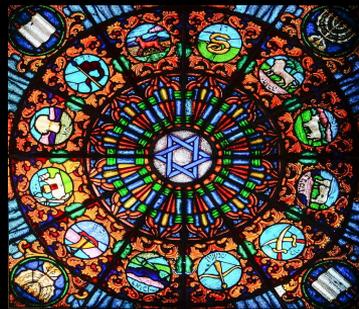
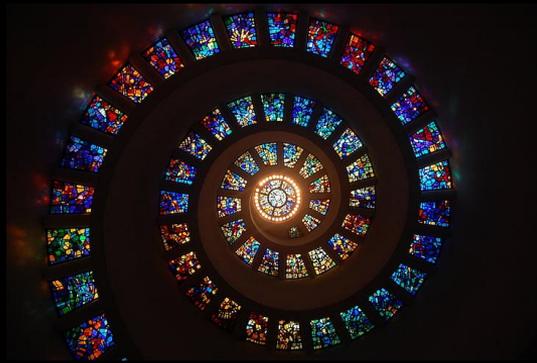
[More Inspiration](#)

# Inspiration



[About Chihuly](#)

# Inspiration



# Other examples



Winter Illuminations at Nabana no Sato - a flower park in Japan. During this winter wonderland Millions of LED lights are used to create dazzling displays and light tunnels.

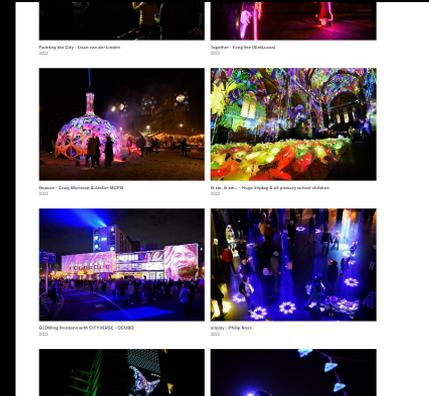
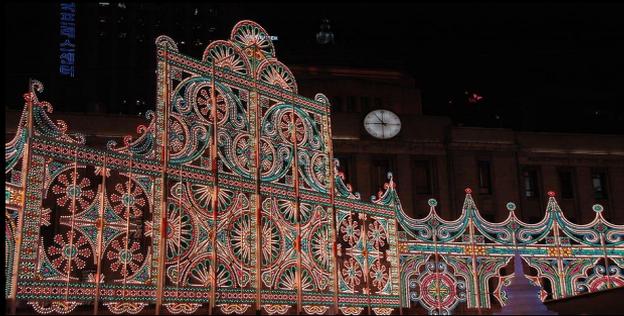


Fête des Lumières - Lyon, France Is a major event where buildings, streets, and public spaces are illuminated with stunning light installations. It celebrates the city's heritage and attracts millions of visitors.



# GLOW Eindhoven - Netherlands:

GLOW is an annual light art festival held in Eindhoven. It features various light installations and artworks created by artists from around the world.



Click  
Link for  
gallery

# Inspiration



# Inspiration

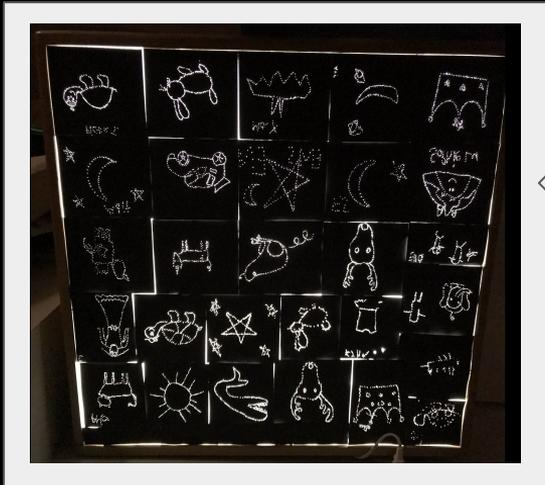
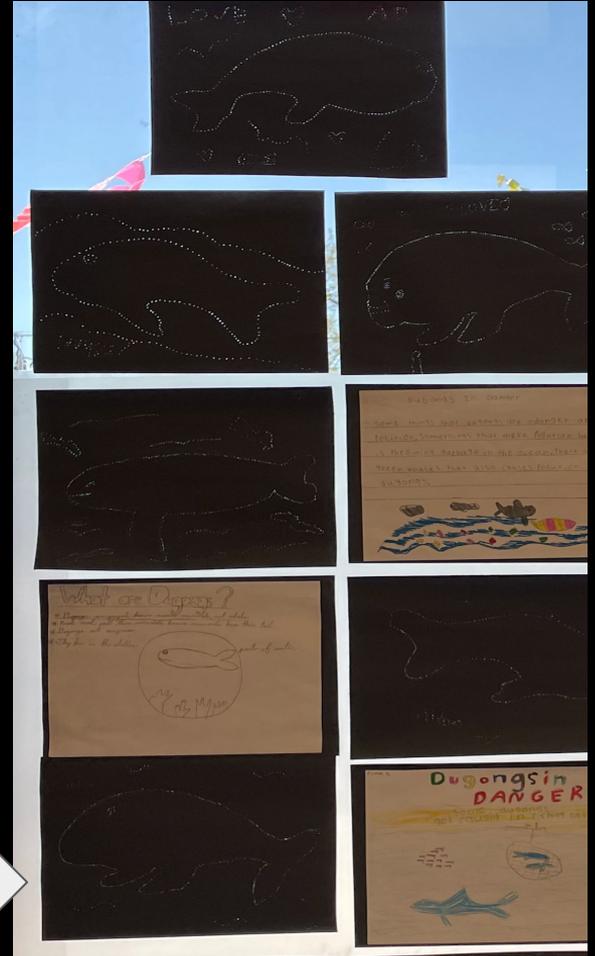


# Student Work - Luminaires

Examples of Student work



# Student Work - I see the light



My favorite things

Save the dugongs  
... don't let them  
disappear

# Student Work - Stained Glass

## *Ode to the Earth*



Draw or trace

Cut with  
exacto knife

Lay down and  
paste Cellophane

Enjoy and study  
movement of reflection

# Student Work - Geometric Stained Glass Panels



Trace geometric pattern on scraps of lamination sheets,  
color design with Sharpie, place on window, study  
phenomenon by observing reflection

# Student Work - Moving Mirrors

