Dec 15.

Reflecting on Reflection

Luminous - are objects that emit their own light

Ex) Sun

Non-Luminous - are objects that do not produce their own light.

- Can only be seen when light from a luminous source strikes the object and then reflect off the object into your eyes.

Ex) Moon, Books How Does The Moon Shine? | How Moon Shines ? (youtube.com)

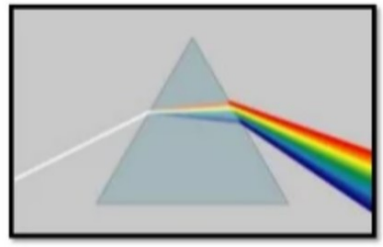
Reflection - occurs when light bounces off an object

When a room is poorly lit, you see less because less light is reflecting

All the light that hits an object is not all reflected, some is absorbed by the object. Dark objects tend to absorb most of the light, where as light objects reflect the more light. Ex) Dark clothes in the summer VS. Light color clothes

Dispersion

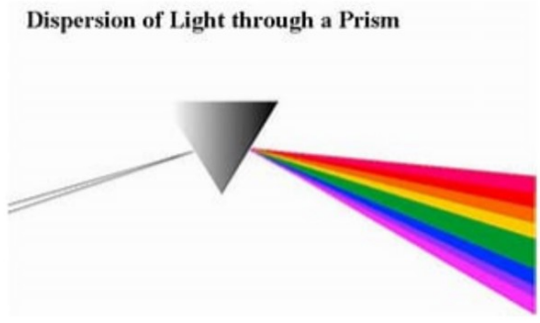
The process in which light is separated into its colors due to the differences in degrees of refraction.



Dispersion is how rainbows are made.

How are rainbows formed?

Aren't rainbows beautiful?



Have you ever wondered how a rainbow comes to be?

It is a basic physics phenomenon known as light dispersion.

So, what exactly is light dispersion?

When white light is transmitted through a prism, it is split into seven component colors. (ROY G BIV).

A prism is a transparent optical device with flat, polished surfaces that refract light.

Refraction of light refers to the change in the direction of propagation of light as it passes through a different medium. Bending of light.

How Do Rainbows Form? (youtube.com)

Propagation -means transmitted (carried) in a particular direction