




Light

Light travels in a _____

Light strikes an object, it will interact in one or more of the following ways:

- 1) Reflection : _____
- 2) Absorption: _____
- 3) Transmitted: _____

Which interaction occurs depends on the material of the object

_____	_____	_____
<div style="border: 1px solid black; padding: 5px; display: inline-block;">MOST light passes through</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">SOME light passes through</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">NO light passes through</div>
		

_____ of light is associated with the _____ of the wave

Low Frequency = _____

High Frequency = _____

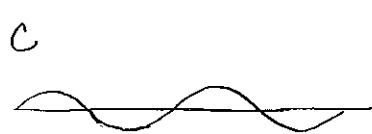
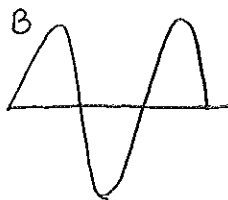
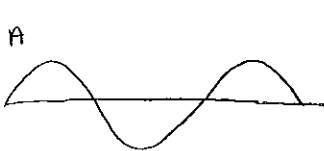
R O Y G B I V

Red Orange Yellow Green Blue Indigo Violet

_____ (Intensity): (how luminous – produces light) is associated with _____ of the wave

Relationship: Low Amplitude = _____ Light

High Amplitude = _____ light



Dim _____

Brightest

Why we see things

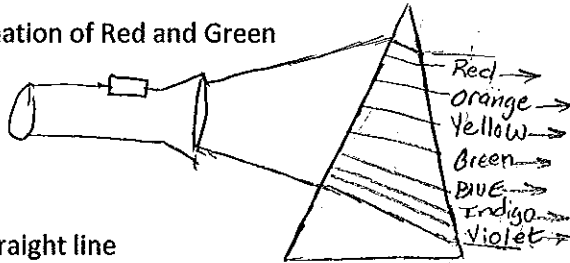
Primary Colors: _____

Secondary Colors:

- _____ (It. Blue) is a combination of Blue and Green
- _____ is a combination of Blue and Red
- _____ is a combination of Red and Green

_____ - all colors are reflected

_____ - no color is reflected



- _____ Travels in a straight line

- Light must be _____ off of an object and to our _____

- The _____ we see is based on the color(s) _____

Examples:

