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| | * To pass through |
| | *A substance that causes matter to appear colored by absorbing certain colors of light that strike it and reflecting others |

II. Quick Facts and concepts

1. Light is a form of _____.
2. Light travels in _____.
3. Light _____ can travel through empty space.
4. Light waves travel in straight lines called _____.
5. Light travels at a speed of _____ miles per second. (sound travels at 343 miles per second in air)
6. The longest waves on the electromagnetic spectrum are _____ and the shortest waves are _____.
7. The colors in the visible spectrum are: _____
8. Colors that can be seen are known as the _____.
9. The primary colors of light are: _____. When mixed together they make the color _____.
10. The primary colors of pigment are: _____. When these colors are mix together they create _____.
11. Colors that are visible are called _____.
12. Colors that we do not see are _____.
13. The combining of different colors of light. Here each new color adds to the total amount of light present. The result of combining all colors is _____.
14. _____ occurs when colors that make up white light are absorbed while others are reflected.