Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How does light work? Absorption and reflection of colors

Lab Sheet

1. Go through your color filters with a flashlight. Fill in the table below.

|  |  |
| --- | --- |
| Transparency color | Color that shines through |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1. Draw a diagram to describe what is happening to the light.
2. Look around the room. Find 3 objects. Describe their color and what colors the object **absorbs** and **reflects**.

|  |  |  |
| --- | --- | --- |
| Object | Color reflected from object | Color absorbed by object |
|  |  |  |
|  |  |  |
|  |  |  |

1. Predict what color will pass through when all of the transparencies stacked together?

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1. Why are you making this prediction?

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1. Draw a diagram of what happens you shine a flashlight through all the transparencies stacked together.