

What Do You See? Lab Worksheet

Comparison of Colors, Reflection, and Absorption

Place the pieces of construction paper on the desk or table in front of you. With lights off, shine the flashlight on the center of each color and rank the colored paper from brightest (1) to the least bright or dimmest (4).

PAPER COLOR	WAS MORE LIGHT ABSORBED OR MORE LIGHT REFLECTED?	RANK

1. Does absorption or reflection make an object appear brighter? Explain your thoughts.
2. If objects that absorb light convert the light energy to heat energy, which color object would absorb the most light and increase in temperature most easily? Explain your answer.
3. In conclusion, explain how reflection and absorption determine which colors we see and how bright a color appears to our eyes. You may use an example to help explain your answer.