Activity: Lights and Pigments

1. Select a solid color object in this room. Give a drawing of the object and make sure that you color it the correct color.

1. What does that mean for the light that is hitting this object? What colors of light are being reflected off this object? What colors of light are being absorbed by this object?
2. Why does your eye perceive the object to be a certain color?
3. Where is chlorophyll located in the plant cell?
4. What are the different types of chlorophyll that are involved in photosynthesis?
5. What is an accessory pigment? What is its function?
6. What are some non chlorophyll pigments that are involved with photosynthesis?
7. What colors of light do those pigments reflect?