

Light Orientation (Chapter 13)

From page 384:

1. In general – what is the difference between **absorb**, **reflect**, and **transmit**?
2. Compare the meanings of **opaque**, **transparent**, and **translucent**
3. Give an example of each type of material

From page 385-6:

1. Compare **regular** and **diffuse reflection**
2. Draw an example of each type of reflection. Be sure to identify the material that would cause that type of reflection.

From pages 386-388

1. Carefully describe the conditions which cause **refraction**.
2. How is white light affected by refraction?
3. Specifically, what is the relationship between refraction and wavelength?
4. Draw **Figure 6** and **Figure 7 (USE COLORS!)** Indicate which color has the longest wavelength and which has the shortest wavelength.

From 389-390

What affect does a colored filter have on what we see?

From 392-393

1. Draw Figure 13 and Figure 14 side by side (use colors, that's the whole point).
2. Compare/contrast what the two figures show us. Use complete sentences.