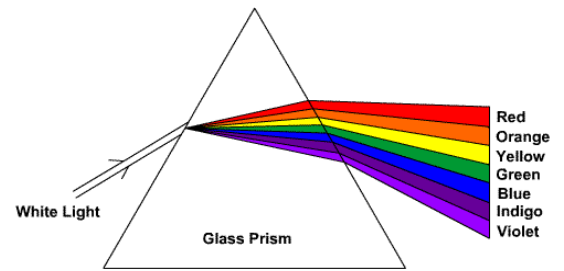


SET 1 QUESTIONS

LIGHT

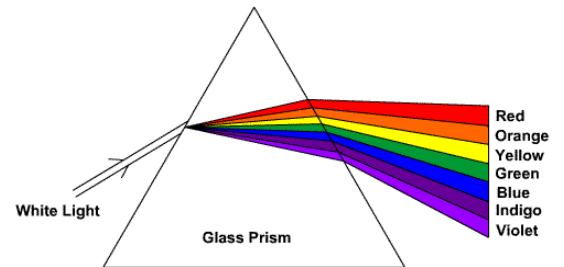


Resources: Use the red textbook to answer the following questions! Answer in complete sentences. Place answers on white paper since this homework requires you to draw and color several diagrams.

1. Read page 337 in the red book on Electromagnetic radiation. Draw Figure 1. **Color** and **label** your diagram.
2. Which forms of electromagnetic radiation have a longer wavelength than yellow light?
3. Red Book – Read Pages 426-427 → **Draw** and **color** figure 5-The Visible Spectrum on page 426. Provide a caption under your drawing explaining your drawing.
4. Red Book – Read Page 427 → **Draw** and **color** figure 6-When Light Strikes Objects. Provide a caption under your drawing which explains your drawing.
5. What happens to the colors that are **not reflected** off of the green leaf or the colors that are **not reflected** off of the yellow lemon?
6. Explain what **Transmission** of light is in words, and **draw** a picture to illustrate transmission of light.
7. Explain what **Reflection** of light is in words and **draw** a picture which illustrates Reflection.
8. Explain what **Absorption** of light is in words and **draw** a picture which illustrates the absorption of light.
9. Explain why some people avoid purchasing cars with a black or dark interior.
10. Why would it be wise to wear light colored clothing to the beach in the summer but dark clothing to go downhill skiing in the winter?
11. Why do people where sunglasses when they snow ski?

SET 1 QUESTIONS

LIGHT



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