Study Guide: Ch. 12, Light Waves

Answer the following questions and study the following topics to prepare for the upcoming multiple choice quiz. Note you must know all relevant units.

1) What is the electromagnetic spectrum? How is visible light related to microwaves and x-rays?

2) Distinguish between objects that are Opaque and Transparent.

3) What is white light?

4) Explain what makes a blue sweater appear blue. When green light shines on a red rose, why do the petals look black?

5) If a black shirt and a white shirt are placed in sunlight, which will get hotter? Why?

6) What makes blue stained glass appear blue?

7) What three colors are the Additive Primary Colors? Explain what they are.

8) Explain what Complimentary Colors are.

9) Is the mixing of colored light the same as mixing colored paint?