

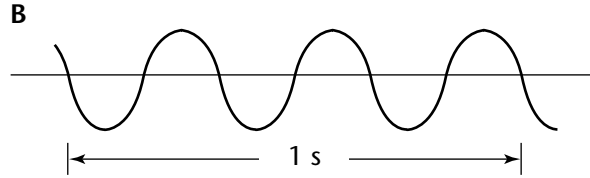
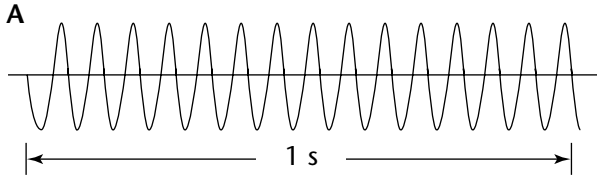
**Chapter 23**

Use with Section 1

**REINFORCEMENT**

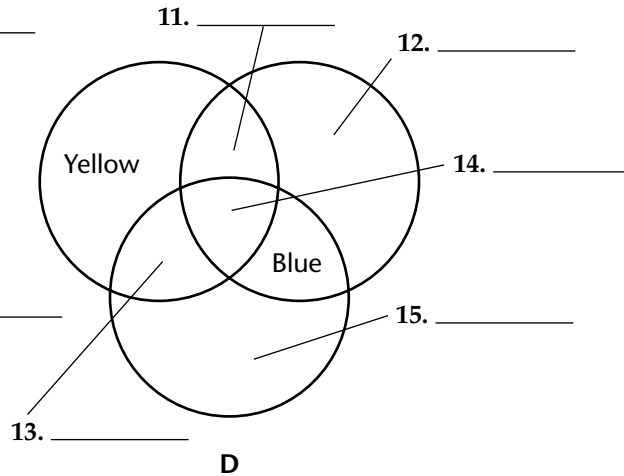
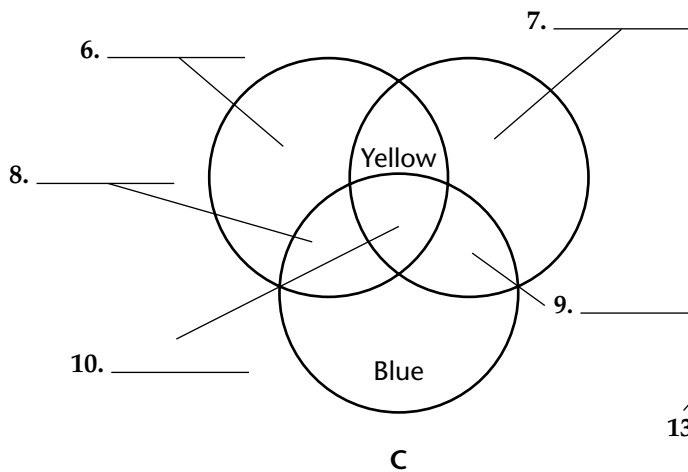
**● Properties of Light**

Use the light waves below and a metric ruler to answer the questions that follow.



1. What is the wavelength of wave B? \_\_\_\_\_
2. What is the frequency of wave A? \_\_\_\_\_
3. What is the frequency of wave B? \_\_\_\_\_
4. Which wave carries more energy? Why? \_\_\_\_\_  
\_\_\_\_\_
5. Which wave could represent a radio wave? Why? \_\_\_\_\_  
\_\_\_\_\_

Complete the charts by filling in the missing colors and answer the questions.



16. Which chart shows what happens when pigments are mixed? \_\_\_\_\_
17. What colors of light are reflected by an object that appears white? \_\_\_\_\_

Answer the following questions.

18. Why can't you see a book in a dark room? \_\_\_\_\_
19. How is an opaque object different from a translucent object? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_