**Waves Scavenger Hunt Pt. 2**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

**Directions:** Use the textbook (pages C) and your notes to help you answer the questions below.

1. How are electromagnetic waves formed?
2. Where do most of the EM waves on Earth come from?
3. What does a lightyear measure?
4. When you look at a star at night, are you looking into the past, present, or future?
5. Why does an object seen through translucent material appear less clear than one seen through transparent material? (Explain what happens to the light.)
6. What happens when the primary colors of light combine?
7. An EM wave can interact with a medium in different ways. Which type of interactions keep some light from reaching the ocean floor?
8. Why does the sky appear blue? (EXPLAIN what happens in detail)