

# Module Assessment, Part 1

STUDENT RESOURCE **A.1**  
ASSESSMENT PART 1

**Circle the choice that correctly completes the sentence.**

- ❶ Materials that are \_\_\_\_\_ do not allow light to pass through them.

translucent      transparent      opaque

- ❷ \_\_\_\_\_ can happen when light passes through a narrow slit.

Diffraction      Reflection      Refraction

- ❸ Objects appear larger when viewed through a \_\_\_\_\_ lens.

concave      convex      flat

**Answer the questions.**

- ❹ Name two things that can happen to light when it hits an object.

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- ❺ Name two ways that you can see a spectrum.

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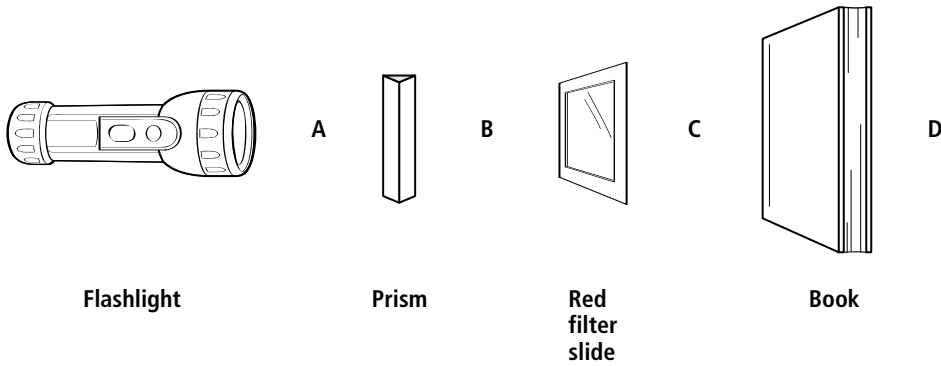
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# Module Assessment, Part 2

**6** Look at the picture below. It shows light from a flashlight passing through a prism and a red filter before hitting a book. Label what you would see at each point. Use the words in the box.

red light   white light   no light   spectrum



- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_

**7** Which object shown above refracts light?

\_\_\_\_\_

# Module Assessment, Part 3

**Materials:**

- 1 pc. aluminum foil
- 1 flashlight with batteries
- 1 metal spoon
- 1 paper towel
- 1 plastic cup
- 1 plastic sandwich bag
- 1 pc. waxed paper

- 8** Shine the flashlight at the objects at your station. Sort the objects into three groups: transparent, translucent, and opaque.

Transparent: \_\_\_\_\_

Translucent: \_\_\_\_\_

Opaque: \_\_\_\_\_

- 9** How did you decide if an object is transparent, translucent, or opaque?

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- 10** Which objects would cast a dark shadow if you put them out in the Sun?

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