Chapter 24 Studying the Sun

## **Section 24.2 Tools for Studying Space**

(pages 678-683)

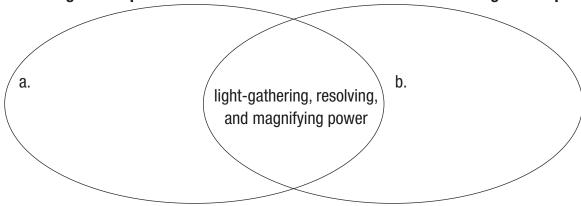
This section describes refracting, reflecting, radio, and space telescopes and how they work.

## Reading Strategy (page 678)

**Comparing and Contrasting** As you read, complete the Venn diagram below to show the differences between refracting and reflecting telescopes. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

## Refracting Telescopes

**Reflecting Telescopes** 



## **Refracting Telescopes** (pages 678–679)

**1.** • Is the following sentence true or false? The objective lens of a refracting telescope produces an image by bending light from a distant

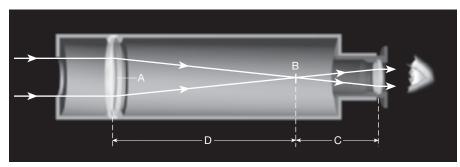
object so that the light converges at the focus. —————

**2.** Select the appropriate letter in the figure that identifies each of the following features.

\_\_\_\_ objective lens

\_\_\_\_ focus

\_\_\_\_ focal length of the eyepiece



3. Refracting telescopes got their name because they refract, or

\_\_\_\_\_, light