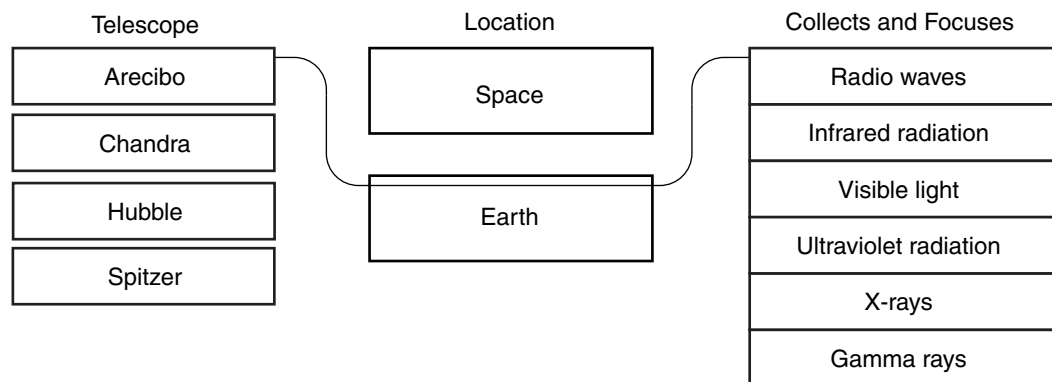


**Stars, Galaxies, and the Universe ▪ 15.1 Review and Reinforce**

# Telescopes

**Understanding Main Ideas**

For each tool on the left, draw a line that connects it with its function. Then continue the same line to connect the tool and function with the type of electromagnetic radiation that the tool uses. Some functions and types of electromagnetic radiation will have more than one line connecting them. The first one is done for you.



1. What is electromagnetic radiation?

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**Building Vocabulary**

Match each term with its definition by writing the letter of the correct definition in the right column on the line beside the term in the left column.

- |                             |  |
|-----------------------------|--|
| ___ 2. spectrum             | a. a building that contains one or more telescopes                                   |
| ___ 3. observatory          | b. the portion of the electromagnetic spectrum that humans can see                   |
| ___ 4. wavelength           | c. white light shining through a prism spreads out to form this                      |
| ___ 5. visible light        | d. a piece of transparent glass, curved so that the middle is thicker than the edges |
| ___ 6. convex lens          | e. the distance between the crest of one wave and the crest of the next wave         |
| ___ 7. radio telescope      | f. device used to detect radio waves from objects in space                           |
| ___ 8. refracting telescope | g. uses a curved mirror to collect and focus light                                   |
| ___ 9. reflecting telescope | h. uses convex lenses to gather and focus light                                      |