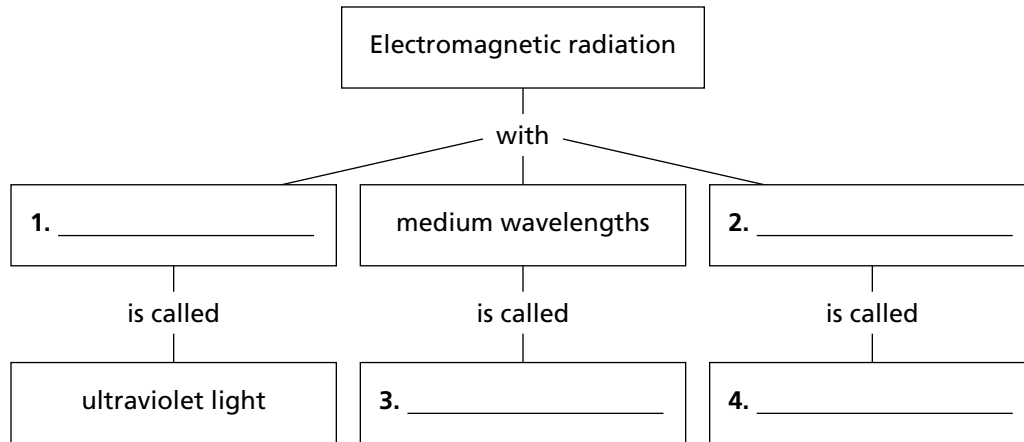


**Weather Factors** ▪ *Review and Reinforce*

# Energy in Earth's Atmosphere

## Understanding Main Ideas

Fill in the blanks in the concept map with the correct word or words.



If the statement is true, write true. If it is false, change the underlined word or words to make the statement true.

- \_\_\_\_\_ 5. Sunburns are caused by infrared radiation.
- \_\_\_\_\_ 6. Ultraviolet radiation can be felt as heat.
- \_\_\_\_\_ 7. Scattering is a natural process that keeps Earth's atmosphere warm.
- \_\_\_\_\_ 8. Electromagnetic waves are classified according to wavelength.
- \_\_\_\_\_ 9. Visible light with the shortest wavelength is red light.

## Building Vocabulary

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

- |                                 |                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------|
| _____ 10. electromagnetic waves | a. a form of energy with wavelengths that are longer than those of red light     |
| _____ 11. radiation             | b. the direct transfer of energy by electromagnetic waves                        |
| _____ 12. infrared radiation    | c. reflection of light in all directions                                         |
| _____ 13. ultraviolet radiation | d. a form of energy that can travel through space                                |
| _____ 14. scattering            | e. the process by which heat is held by gases in the air                         |
| _____ 15. greenhouse effect     | f. a form of energy with wavelengths that are shorter than those of violet light |