| Name | Class | Date |
|--|---|--|
| Directed Reading B contin | nued | |
| the concave lens diverges th | ays when they travel through the light rays outward, this puts the e of the object. This helps make an s for near-sightedness | focal point |
| 20. What type of image can a virtual image, not a r | | |
| provided. | IND REFRACTION on with the correct term. Wri | ite the letter in the space a. film |
| light that enters | | b. lensc. shutter |
| film 23. stores an image 24. What does a digital cam a memory chip | era use to record images? | |
| 25. What do the eyepiece le | | a refracting telescope do? |
| | ght microscope is similar to | a refracting telescope. |
| They both bend light rays to to make it easier to see. | change the size of the image | |
| , | ght microscope differs from | a refracting telescope. |
| The light microscope is en The telescope is making a | | |
| | | |

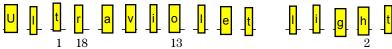
Skills Worksheet

Vocabulary and Section Summary B

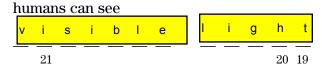
The Electromagnetic Spectrum **VOCABULARY**

After you finish reading the section, try this puzzle! Then, put the letters in the matching numbered squares on the next page to reveal a quote by Thomas Edison.

1. a type of electromagnetic wave that is used to kill bacteria on food



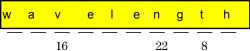
2. a very narrow range of wavelengths in the electromagnetic spectrum that



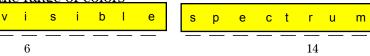
3. a type of electromagnetic wave that warms Earth



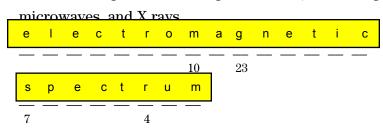
4. the distance from any point on a wave to an identical point on the next wave



5. the range of colors



6. the entire range of electromagnetic waves, such as light, radio waves,

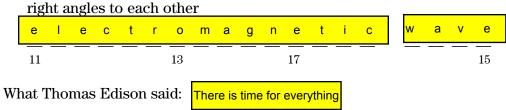


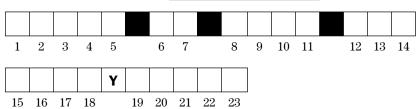
7. the visible light of all wavelengths combined

Holt California Life Science

Vocabulary and Section Summary B continued

 $\boldsymbol{8.}$ a wave that consists of changing electric and magnetic fields that vibrate at





SECTION SUMMARY

Read the following section summary.

- Light is an electromagnetic wave (EM wave). An EM wave can travel through matter or space.
- \bullet The entire range of EM waves is called the $electromagnetic\ spectrum.$
- Infrared waves from the sun warm Earth and everything on Earth.
- Visible light is the narrow range of wavelengths in the electromagnetic spectrum that humans can see.
- \bullet Humans see different wavelengths of visible light as different colors.
- Ultraviolet light is both harmful and helpful to living things.