CHAPTER 7 REINFORCEMENT

Different Sources of Light Energy

Goal • Use your understanding of different sources of light to complete this chart.

What to Do

1. Complete the following chart by filling in the blank spaces.

Source	Description	Examples
		- stove element, light bulb
Phosphorescence	 gives off light after absorbing energy from another source takes longer to release light energy continues to glow after light source is removed 	
Fluorescence	 gives off light while it is receiving energy from another source uses ultraviolet radiation 	
Chemiluminescence		– glow sticks, emergency lights
Bioluminescence		– jellyfish, fireflies

2. Use the space below, or a separate page, to draw the energy transfer or energy pathway for each source of light listed in the first column of the chart.

CHAPTER 7 REINFORCEMENT

Different Sources of Light Energy (continued)

W W	hy do some people prefer fluorescent lighting rather than incandescent lighting? hat are the advantages and disadvantages of both types of lighting?

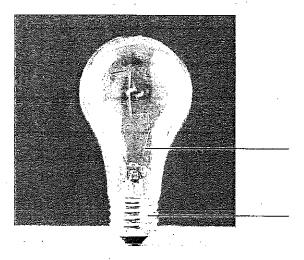
CHAPTER 7 REINFORCEMENT

Incandescent Light Bulbs and Fluorescent Tubes

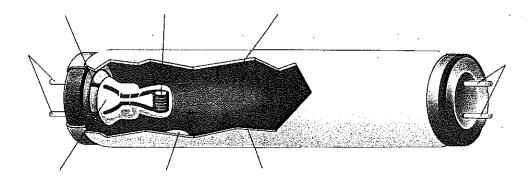
Goal • Complete this worksheet to review how light is produced by incandescent light bulbs and fluorescent tubes.

What to Do

1. (a) Label the parts of the incandescent bulb in the diagram below.



- (b) Explain how an incandescent light bulb produces light.
- 2. (a) Label the parts of the fluorescent tube in the diagram below.



(b) Explain how light is produced in a fluorescent tube.