Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**I CAN** explain photosynthesis and cellular respiration.

Period\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ACTIVITIES OF THE CELL**

Ligt**Complete this worksheet after you have finished reading Chapter 4, Section 2 –see page 90**

**1.** Sketch and label a chloroplast and a mitochondrion in the space provided.

**2.** Chloroplasts use light energy during photosynthesis.

**To your drawing add a light source and an arrow from the light source to the chloroplast.**

**3.** Chloroplasts give off oxygen and glucose during photosynthesis. Mitochondria use oxygen and glucose during cellular respiration.

**Add this information to your diagram.**

**4.** During cellular respiration, mitochondria produce ATP.

**Add this information to your diagram.**

**5.** Besides light energy, what do chloroplasts use to make glucose?

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**6.** Besides ATP, what do mitochondria give off during cellular respiration?

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**7. Add the information from questions 5 and 6 to your diagram.**