Name: Date: Period:

**PHOTOSYNTHESIS OVERVIEW**

STEP 1: Light Reaction

Occurs:



Output:

Input:

STEP 2: Dark Reaction

Occurs:

Output:

Input:

2x

Write the chemical equation for Photosynthesis:

Analysis Questions:

*Indicate if each phrase describes part of the light reaction (L) or the dark reaction (D).*

\_\_\_\_\_\_1. Occurs in the stroma

\_\_\_\_\_\_2. Occurs on the thylakoid

\_\_\_\_\_\_3. Requires light

\_\_\_\_\_\_4. Carbon dioxide fixation

\_\_\_\_\_\_5. Runs twice to produce glucose

\_\_\_\_\_\_6. Splits water to replace lost electrons

\_\_\_\_\_\_7. Reduces ADP and NADP+

\_\_\_\_\_\_8. Oxidizes ATP and NADPH

\_\_\_\_\_\_9. Reduces CO2

\_\_\_\_\_\_10. Oxidizes H2O