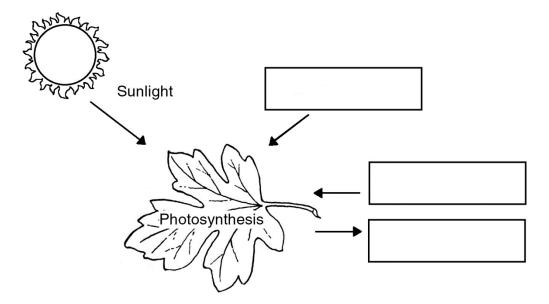
Lab 2. Photosynthesis: Where Does Photosynthesis Take Place in Plants?

1. Describe the process of photosynthesis and complete the diagram below.



2. Two students were discussing where photosynthesis happens within a plant. One student claimed that photosynthesis only occurs in the leaves of a plant. Another student claimed that photosynthesis occurs in the leaves and flowers of a plant. The table below contains data collected during an investigation. Each container was exposed to the same amount of light for the same amount of time.

Container	Contents	Initial CO ₂ level	CO₂ level after 5 hours	CO ₂ level after 10 hours
Α	3 leaves	900 ppm	700 ppm	500 ppm
В	7 leaves	900 ppm	500 ppm	200 ppm
С	3 leaves and 1 flower	900 ppm	750 ppm	600 ppm
D	2 flowers	900 ppm	950 ppm	1,000 ppm

Use the data above to help support the student you most agree with.

a. I agree with this statement.b. I disagree with this statement.
Explain your answer.
4. In science, experiments are better than systematic observations.
a. I agree with this statement.b. I disagree with this statement.
Explain your answer, using an example from your investigation about photosynthesis.

3. The data that were generated in the scenario for question 2 came from an experiment.

6. It is important for scientists to understand the flow of energy in a system. Explain v important, using an example from your investigation about photosynthesis.	
important, using an example from your investigation about photosynthesis.	vhy this is