

Sodium Alginate Photosynthesis Worksheet

Data Table: Mass

Sample	Mass of Spheres
Light	
No Light	

Data Table: Change in pH

Sample	Color Before	pH Before	Color After	pH After	Total Time
Light					
No Light					

Post-Lab Analysis and Calculations

1. What was the change in pH of each of the samples?
2. Which sample experienced a higher rate of photosynthesis? Provide evidence to support your answer.
3. Which sample had a respiration rate that was higher than the rate of photosynthesis? Provide evidence to support your answer.
4. Explain the role of light in photosynthesis.
5. Predict the outcome of an experiment in which red, green and yellow filters are placed around different vials containing algae spheres rather than black paper.