



Answer these questions. Use the diagram to help you.

- When you put the discs in the syringe and added the solution (before creating the low pressure), your discs floated. Looking at the diagram, what element of the leaf made these discs float?  
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- Thinking about what is needed for photosynthesis, can you deduce the reason for using a solution with bicarbonate rather than water in this experiment?  
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- What happened in the leaf discs during the 10–20 minutes before they started to rise?  
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- If the leaf discs had been kept in the dark, would the same have happened?  
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- What gas caused the leaf discs to rise?  
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