

## Growing More Food

### Photosynthesis Lab

*What is happening within a plant? How can we tell?*

Plants have basic needs, all which contribute to growth. Conduct a lab using leaf disks, baking soda or water, and light to determine which product is a by-product of photosynthesis.

Create a flow chart of photosynthetic reactions that connects plant growth to photosynthesis.

This lab is based on the youtube video at: <http://youtube.com/watch?v=XV9FOWleErA> in conjunction with this Carolina Biological Leaf Disk Assay lab available at: <http://www.carolina.com/pdf/activities-articles/leaf-disk-assay-teacher.pdf>

Photosynthesis is described by this chemical formula:



Carbon + water → glucose + oxygen  
dioxide

In your flow chart, label where these inputs and products are shown.

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