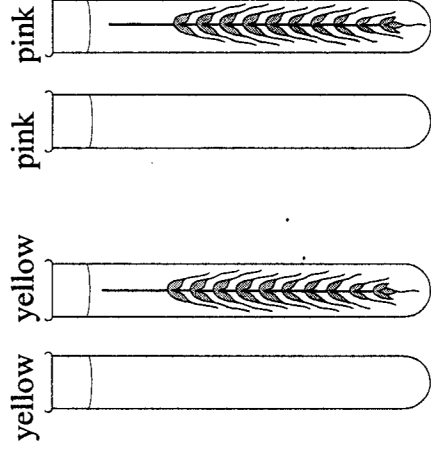


Photosynthesis Lab

Initial conditions

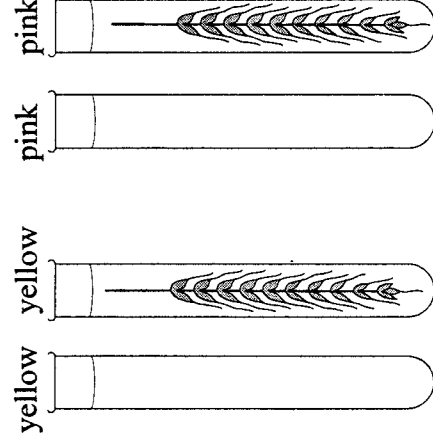
At the start of each of the following experiments there were four tubes: 2 yellow (CO₂ added) and 2 pink (NO CO₂ added). One from each color had a piece of Elodea (a plant) added.

The CO₂ was added by blowing air through a straw into the phenol red solution. This CO₂ turned the pink solution YELLOW



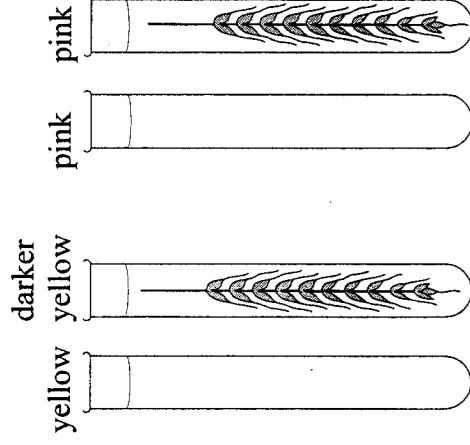
Condition 1 – Darkness

All 4 tubes remained relatively the same after 1 hour in the dark. The plant did not seem to change the color of the solutions. Pink stayed pink and yellow stayed yellow.



Condition 2 – Room Light

The only tube that showed any change was the yellow tube with the plant. It changed from yellow to a darker shade of yellow with a hint of reddish shade. There were a few small bubbles in this tube.



Condition 3 – Bright Light

The only tube that changed was the tube that started out as yellow and turned PINK after exposure to bright light. There was a constant stream of tiny bubbles escaping from the leaves and flowing upward toward the liquid surface.

