

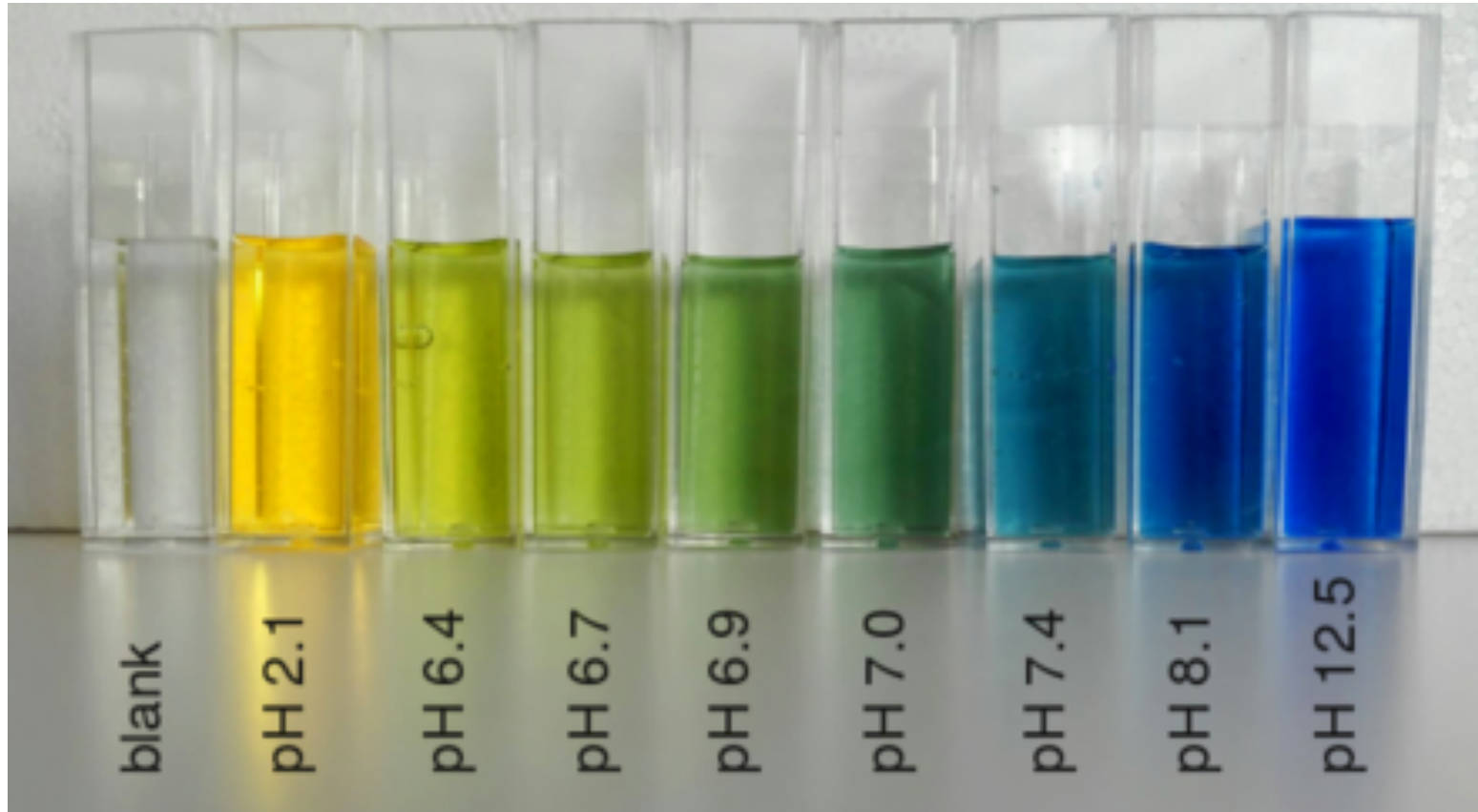
Where Does Energy that Food Provides My Body Come From?

Lesson 7: How do plants make their own food?

Activity 7.1: What Do Plants Produce in the Light?

Reading 7.1: What Do Plants Produce in the Light?

BTB color scale



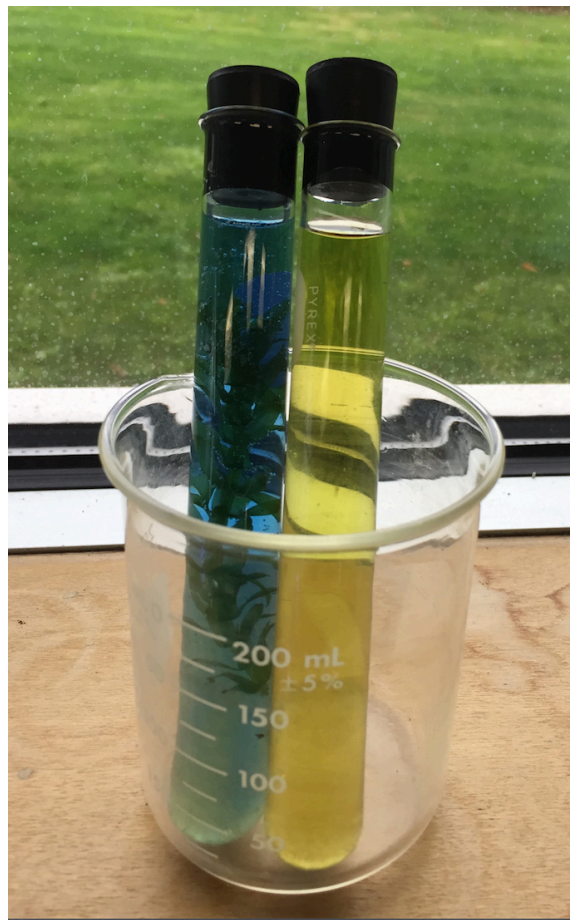
Lots of CO₂

Very Little CO₂

Activity 7.2 How do I know plants USE carbon dioxide?



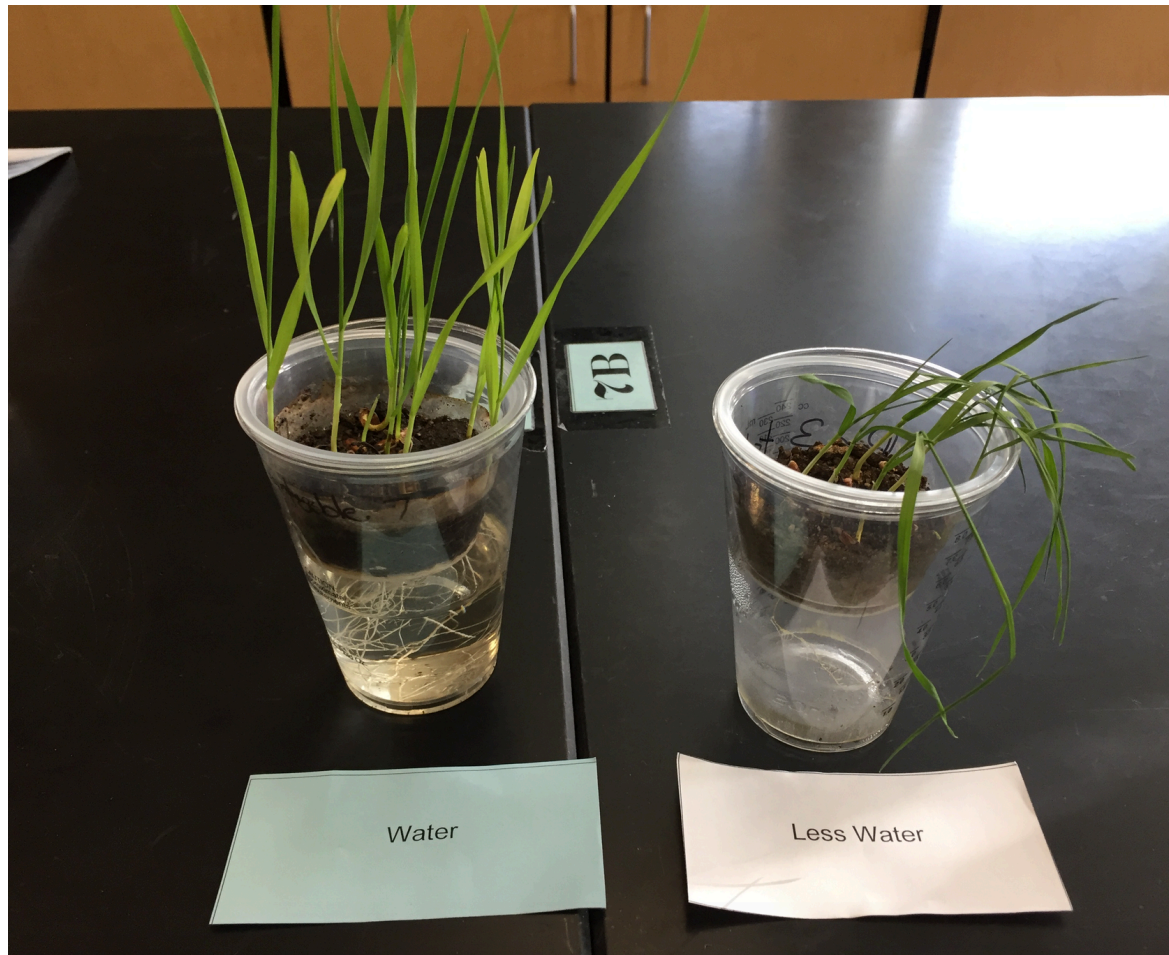
BTB with exhaled air alone and w/ Elodea



24 hours later

1. What does the yellow green color indicate in the BEFORE picture?
2. How is the solution changed after being in the light for 24 hours?
3. How would you explain the change?

How do plants grown with more and less water?



Geranium leaves with iodine grown in light and dark. What does this show?



Dissolved Oxygen Meter

- In water

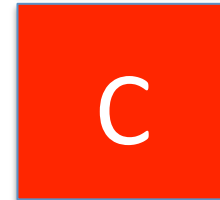
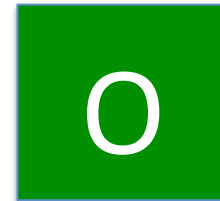


- In water with Elodea

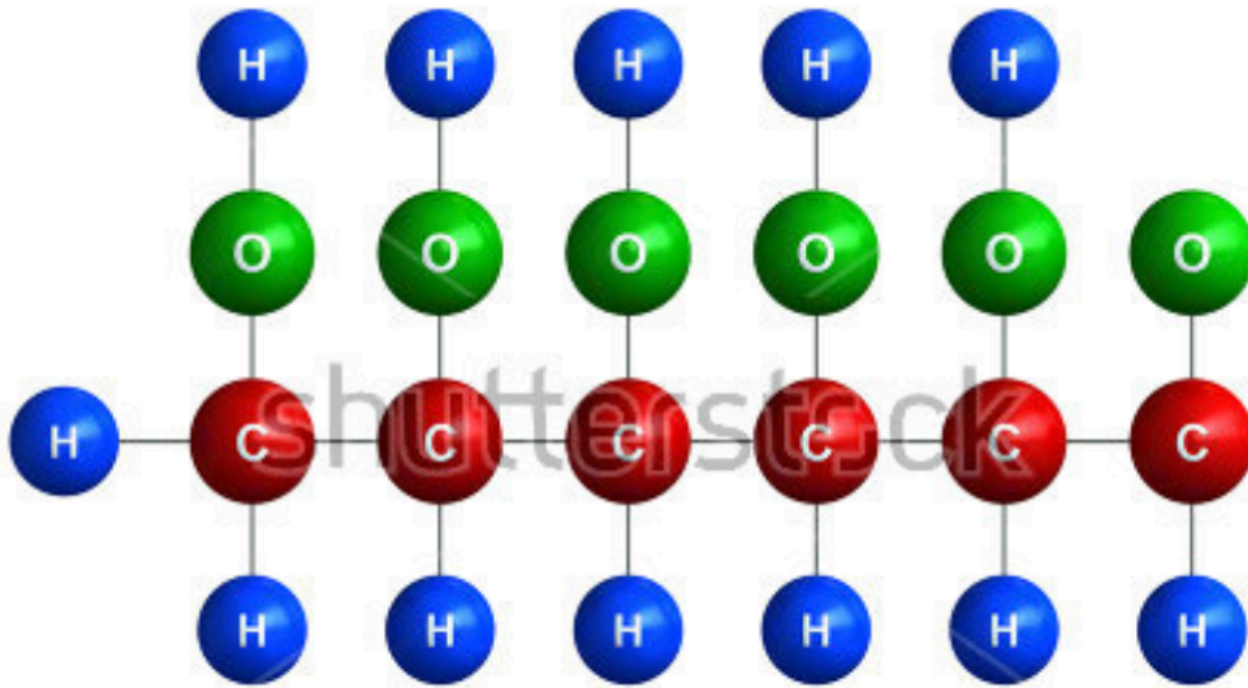


Color Coded Blocks

- Blue= Hydrogen
- Green= Oxygen
- Red= Carbon



Build a glucose molecule



Glucose $C_6H_{12}O_6$

