# Lab Preparation

***Tip:*** *Check with your local laws about the appropriate disposal of elodea. Some states classify elodea as an invasive species.*

Each lab group should have:

* Hole punch
* Spinach leaves
* 1 large beaker
* 300 mL water
* 1.5 g baking soda (sodium bicarbonate)
* Plastic spoon
* Eyedropper
* Liquid dish soap
* 20-65 mL plastic syringe, without needle
* 2 small beakers
* Timer
* Light source
* Paper towels

# Lab Procedure

1. Pass out a 6.4 Lab Sheet to each student.

***Tip:*** *If leaf disks are not sinking, add more liquid dish soap to the solution. If leaf disks are sticking to the beakers, add more baking soda to the solution.*

1. Point out where each group’s lab materials are located.
2. Read through the lab sheet with the students and answer any questions they might have before beginning the lab.
3. This lab will take an entire 45 minute class period to complete.
4. At the end of the lab, instruct the students to clean their lab stations. Depending on your setup, this might include tidying the lab materials, wiping down the tables, etc.

# Homework

1. Inform the students that the fully completed lab sheet is due at the beginning of tomorrow’s class.