

# Breathing Leaves 1

How can you see a plant expelling oxygen?

## Supplies:

- ✓ 2 cups of aged tap water
- ✓ 2 fresh leaves
- ✓ 2 small rocks
- ✓ hand lenses

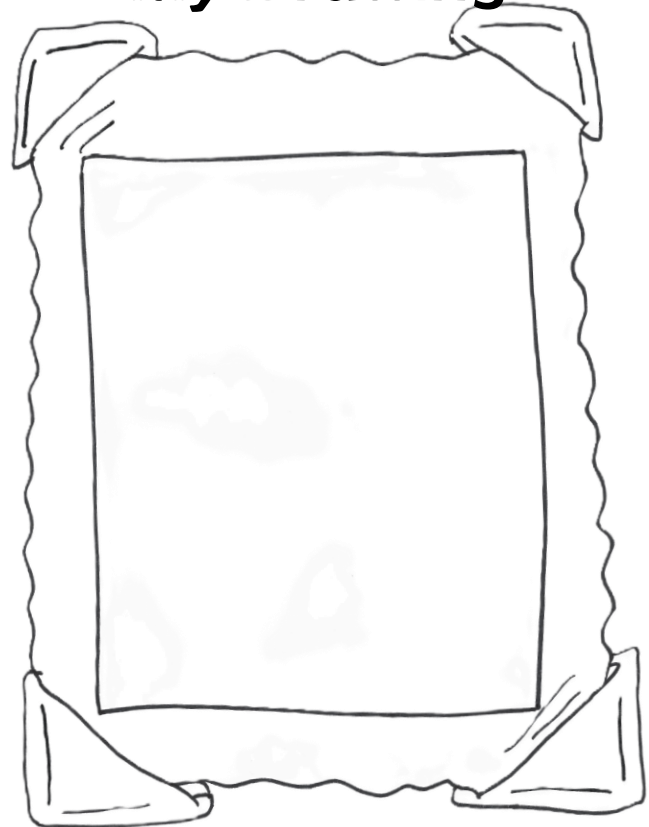
## Experiment:

- Place one leaf in each cup of water.
- Place a rock on each leaf to keep it completely underwater.
- Place one cup in the sun.
- Place the other cup in the shade.

The cup in the sunlight had \_\_\_\_\_ bubbles.

The cup in the dark had \_\_\_\_\_ bubbles.

## My Drawing



# Breathing Leaves 2

## How can you see a plant expelling oxygen?

### Supplies:

- baking soda
- aged tap water
- string
- desk lamp
- 500 mL beaker
- elodea plant
- timer
- weighted object
- hand lenses
- lab sheet

### Setup:

- Measure 500 mL of water.
- Add one teaspoon of baking soda.
- Tie the elodea plant to a weighted object.
- Place the plant in a beaker.
- Fill the beaker to fully cover the elodea plant.

### Round 1:

- Turn off the lights and close the blinds.
- Set a timer for five minutes.
- Count how many bubbles rise to the surface.

Number of bubbles

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### Round 2:

- Turn the lights on and open the blinds.
- Set a timer for five minutes.
- Count how many bubbles rise to the surface.

Number of bubbles

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### Round 3:

- Place the desk lamp over the container.
- Set a timer for five minutes.
- Count how many bubbles rise to the surface.

Number of bubbles

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