

Name: _____

Date: _____

Looking at Stems

Purpose:

The purpose of this activity is to look at the function of stems.

We want to see what will happen when we place celery in water.

Hypothesis:

I think that...

Equipment:

- Stalk of Celery

- Food Colouring

- Beaker

- Knife (Teacher Use)

- Water

- Magnifying Lens

Procedure:

Stage 1 – Today

1. Draw a picture and label the different parts of the celery.
2. Place the celery in the beaker
3. Add water to the beaker until the water is at 200 ml.
4. Add 10 drops of food colouring to the water.

Stage 2 – Next Class

5. Look carefully at the leaves of the celery stalk.
6. Check the water level in the beaker.
7. Get a cross section of the celery from your teacher.
8. Record all of your observations on your worksheet.
9. Answer the discussion questions.



Observations:

Draw the celery stalk, use colour.

Before

After

Draw the cross section of the celery stalk, use colour.

Before

After

Water level at the start of the experiment: _____

Water level at the end of the experiment: _____

Discussion:

1. What happened to the celery stalk after it sat in the coloured water?

The leaves had some red on them.

The water was drawn up the stem.

There were red circles throughout the stem.

2. What happened to the amount of water in the beaker?

There was less water after it was left over night.

This is because some of the water was drawn into the celery.

Some of the water also evaporated.
