**Vascular plants lab.**

Unlike non vascular plants, the Vascular Plants have the ability to transport materials between the different organs of the plant.

**PRE LAB QUESTIONS.**

1. Name 3 organs of a vascular plant.
2. Do you think plants can transport items both up and down the plant, or just one direction? Explain.
3. Do you think the vascular system is made up of one big tube, or many smaller tubes? Explain.
4. Is the tube / tubes “one way streets” or multi directional?

**MATERIALS**

1 long stemmed flower

food dyes

petroleum jelly

water

test tubes.

**Question.**

Is there one tube or many stubs that transport materials up the stem of a small vascular plant?

1. Develop a hypothesis.

2.Design an experiment to determine whether there is one tube, or many tubes to transport materials up the stem.

3. Sketch your experimental set up and describe your expected results.

4. How will your expected results help support or refute your hypothesis