

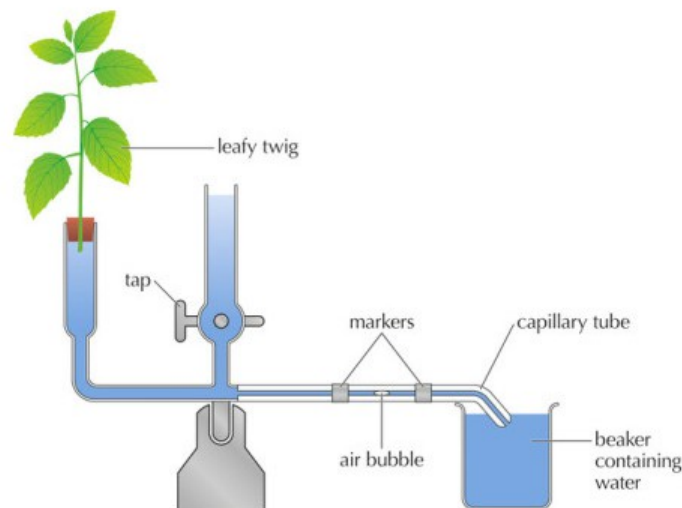
### Abstract writing, Assignment #3

Students, here is an experiment. You do not have to write the whole abstract for this experiment, only the method part that is given below. This is a grammar exercise. Look at the sentences above the illustration. They are all in the IMPERATIVE form. Then look at the four parts of the 'To measure' underneath the illustration.  $7 + 4 = 11$ , so rewrite this experiment into 11 sentences. Please do it twice. The first time is easy. Transform everything into PAST TENSE, and then do it all one more time and transform everything into PAST PASSIVE.

Hints: When you write it in the past tense, just say 'We...' (eg We cut a shoot....)  
Everything in brackets ( ) can stay the same: don't change it!  
The difficult sentence will be past passive of 4. Be careful!

### Experiment to measure transpiration:

1. Cut a shoot **underwater** (to prevent air from entering xylem) at a slant
2. Set the **potometer** up **underwater** (to prevent the formation of air bubbles)
3. Remove the apparatus from the water, but keep the end of the **capillary tube** inside beaker of water
4. Check that the apparatus is **watertight** and **airtight**, then dry the leaves
5. Remove capillary tube from the water, until an **air bubble** forms, then put it back
6. Record the **starting position** of the air bubble
7. Use a **stopwatch** to record how far the bubble moves in a certain time



#### **To measure:**

- **Light intensity**– use a lamp/cupboard
- **Temperature**– warmer/colder room
- **Humidity**– spray a bit of water into clear plastic bag before sealing it around plant (increases humidity)
- **Wind speed**– use a fan