



Let's Make a Vein Leaf Sample



Get the vein from the leaf

 **Point**

Using a pipe washer

 **Materials** 

- Drain cleaner
 - * Including sodium hydroxide (About 4%)
- Water
- 2 Plastic container
(height 10cm, wide 10cm, depth 3cm)
- Leaf (EX, Eurya japonica, Cleyera japonica, Osmanthus heterophyllus, Quercus crispula)
- Disposable chopstick



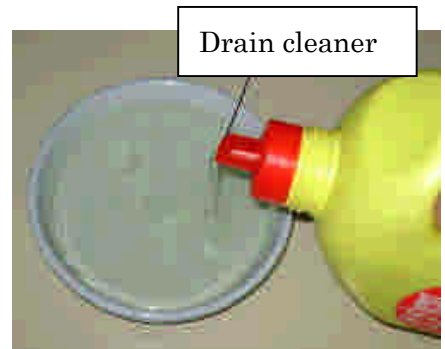
Experiment


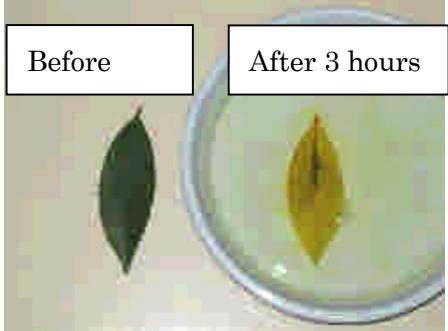
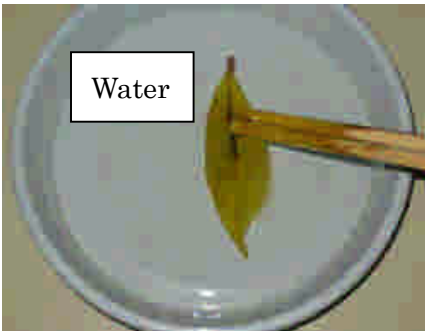
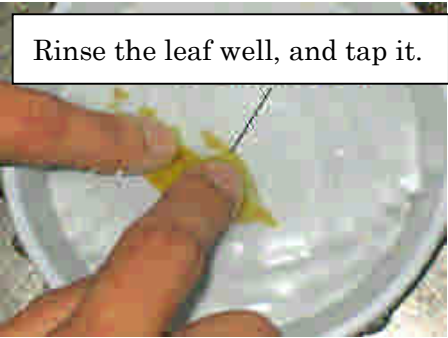
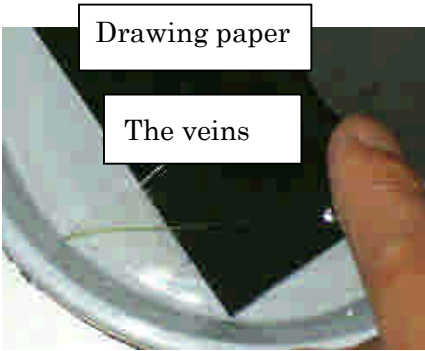

1 Prepare a leaf



2

Pour the drain cleaner in the plastic container. (1cm)



<p>3 Put the leaf in the plastic container.</p>		<div style="display: flex; justify-content: space-around;"> <div data-bbox="1027 237 1214 309">Before</div> <div data-bbox="1251 237 1473 309">After 3 hours</div> </div> 
<p>* When you put it in, you have to use disposable chopsticks so as not to touch the liquid.</p>		
<p>4 Wait for the color to change.</p>		
<p>5 Remove the leaf and put in the water.</p>		
<p>6 Soak the leaf in the water 5 minutes. After wards, replace the water many times to remove the leaf.</p>		
<p>7 The veins are revealed !!! Remove the vein using drawing paper.</p>		 <p style="text-align: center;"><i>Perfect</i></p>

Progress

Let's try to use the *Osmanthus heterophyllus*, and let's find the leaf from which we can get the vein easily.

* In summer, you can try to use *Quercus crispula*.

💡 Information

- 💡 The Leaf should have netted venation and parallel veins.
- 💡 Netted venation is good for getting the veins.
- 💡 Using a thick leaf, it takes more time.
- 💡 If you use a leaf with netted venation, sometimes you can't get the veins.

- ◆ You must not touch the drain cleaner with your hand, because it includes sodium hydroxide
- ◆ You should read the directions on the drain cleaner.
- ◆ You may use rubber gloves (if you need)

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