



## plants guidebook

**Are you curious about plants? Then come along! Let's do the experiments in this kit together to learn all about them!**

**In this guidebook, you will see a lot of things that you already recognize. But there is so much left to discover about them! The pictures will guide us in doing our experiments and projects. And whenever you see a Try It box, you will see more ideas for other exciting experiments.**

**And now, let's begin!**

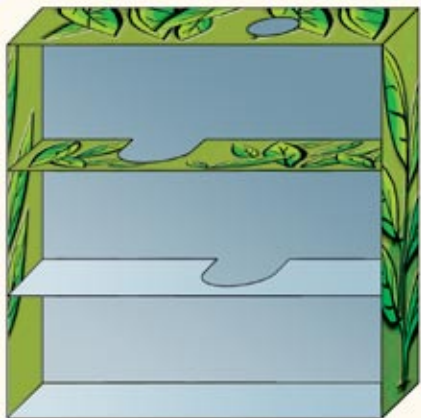


**little  
labs™**



# Getting Started: What comes in your kit?

## Kit contents:



plant maze



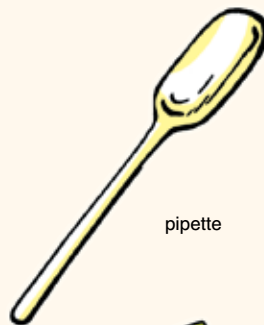
magnifying glass



2 cups with cover



petri dish



pipette



2 small signs



thirst scale



color strip



clay pot



garden cress seed packet



color tablets

### Experiment 3: Besides water and light, do plants need anything else to grow?



Or do you have other ideas?

Figure it out like this:



1



2x



2



a



b



Answer:

Water and light alone are not enough. Plants need carbon dioxide, a gas that people and animals exhale. The plants inhale carbon dioxide and exhale oxygen. This is how we get enough oxygen and the plants enough carbon dioxide. The bag will suffocate the plants.

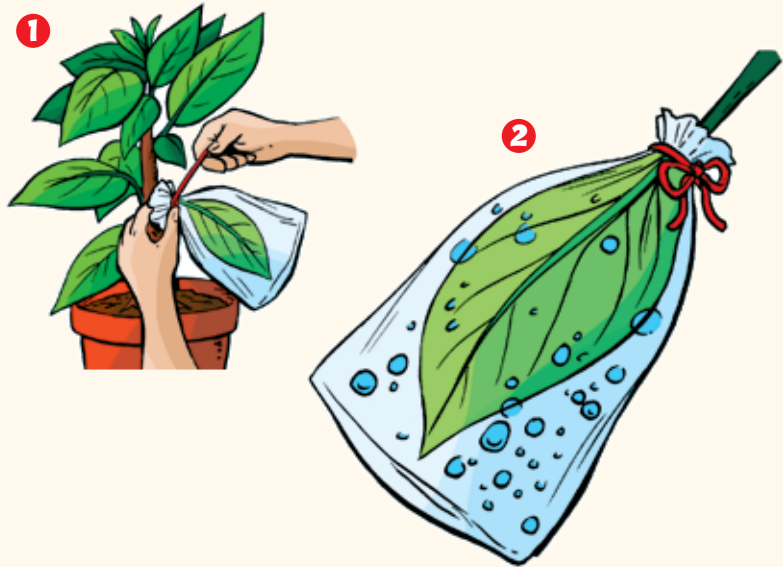
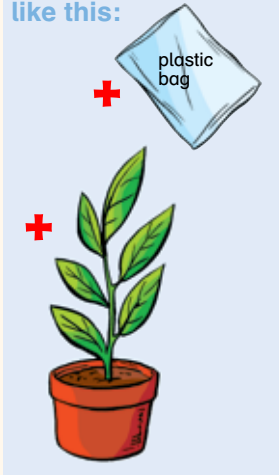


## Experiment 4: Why do plants sweat?



Or do you have other ideas?

Figure it out like this:



**Answer:**

Plants absorb water with their roots. Extra water is released again as water vapor through tiny openings in the underside of their leaves. The reason plants sweat is not because they run too fast!