



BOTANIST'S JOURNAL

PROPERTY OF:

.....

What do plants need to grow and survive?

Fill-in plants' four basic needs.

1. <input type="text"/>	3. <input type="text"/>
2. <input type="text"/>	4. <input type="text"/>

How do plants get what they need?

After the experiment, fill-in the blanks below.



One function of roots is to **absorb** _____



One function of stems is to **transport** _____





One function of leaves is to **absorb** _____



**What is life like in a tropical rainforest environment?
How do plants survive there?**

Think like a botanist to hypothesize about rainforest plant adaptations.



Step 1: Observe the environment.  

What do you see?


The temperature is _____ °F.

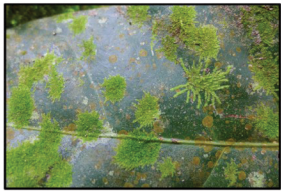
This would feel...

- a. warm
- b. cool

It rains...


- a. often
- b. rarely

Step 2: Observe the plant. 



What helped moss to grow on this leaf?

(circle one)

- A lot of 
- A lot of 



How much sunlight can a mossy leaf absorb?

- a. More
- b. Less

Step 3: Collect data. Trace the outline of each leaf image below.

Shade the area of **Leaf A** that is wet



Shade the area of **Leaf B** that is wet



- Which leaf has less water on its surface? _____
- Why do you think that is? _____

Step 4: Make a hypothesis using evidence from Steps 1-3.

I expect to find less moss on leaves shaped like _____ in the rainforest because

Plants with less moss on their leaves get MORE / LESS sunlight.