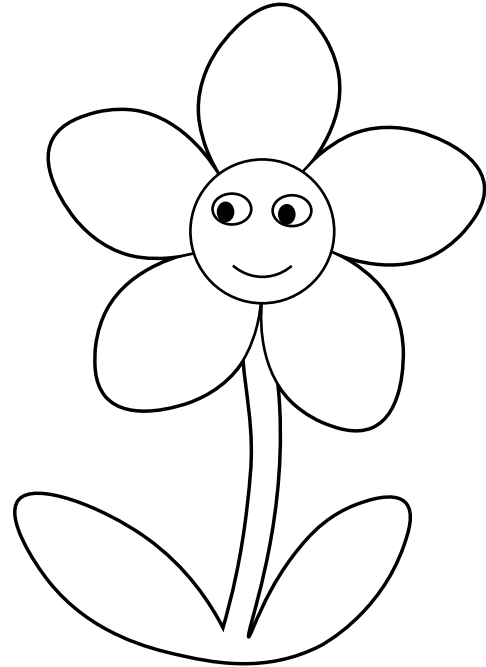
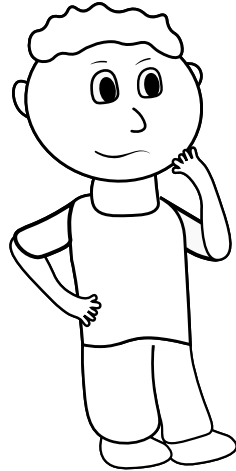
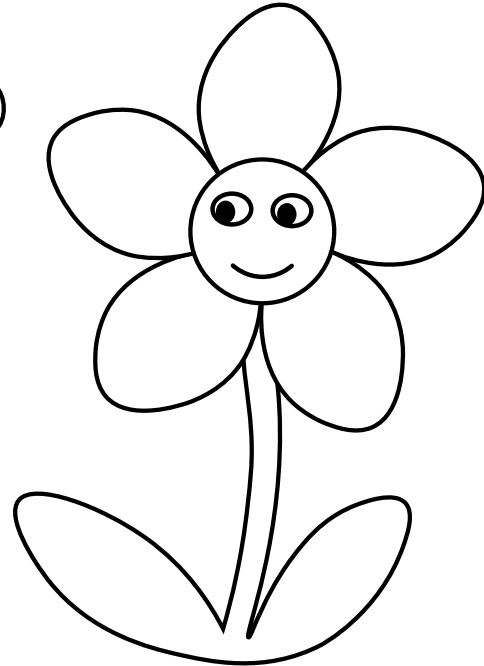
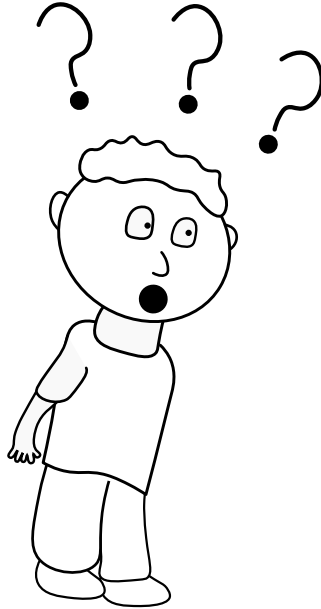
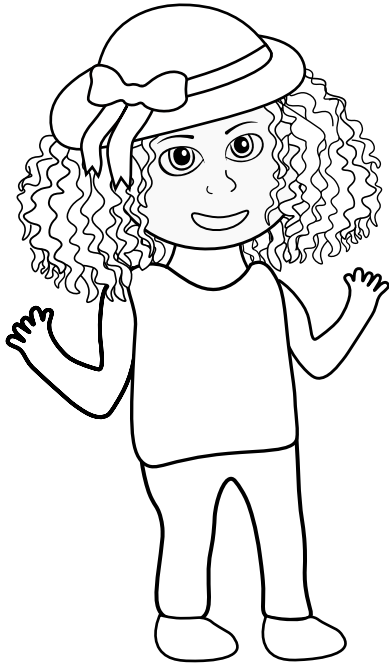


PHOTOSYNTHESIS IS FOR YOU AND ME!

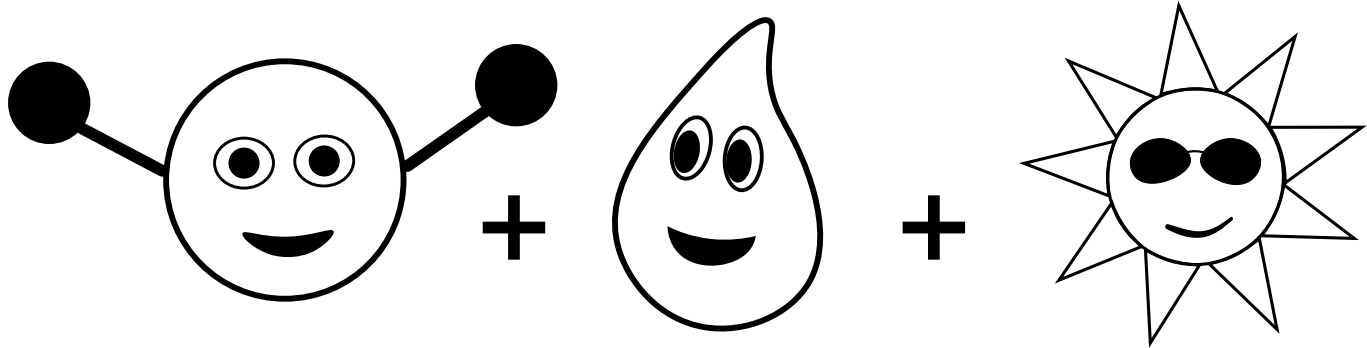
Name: _____



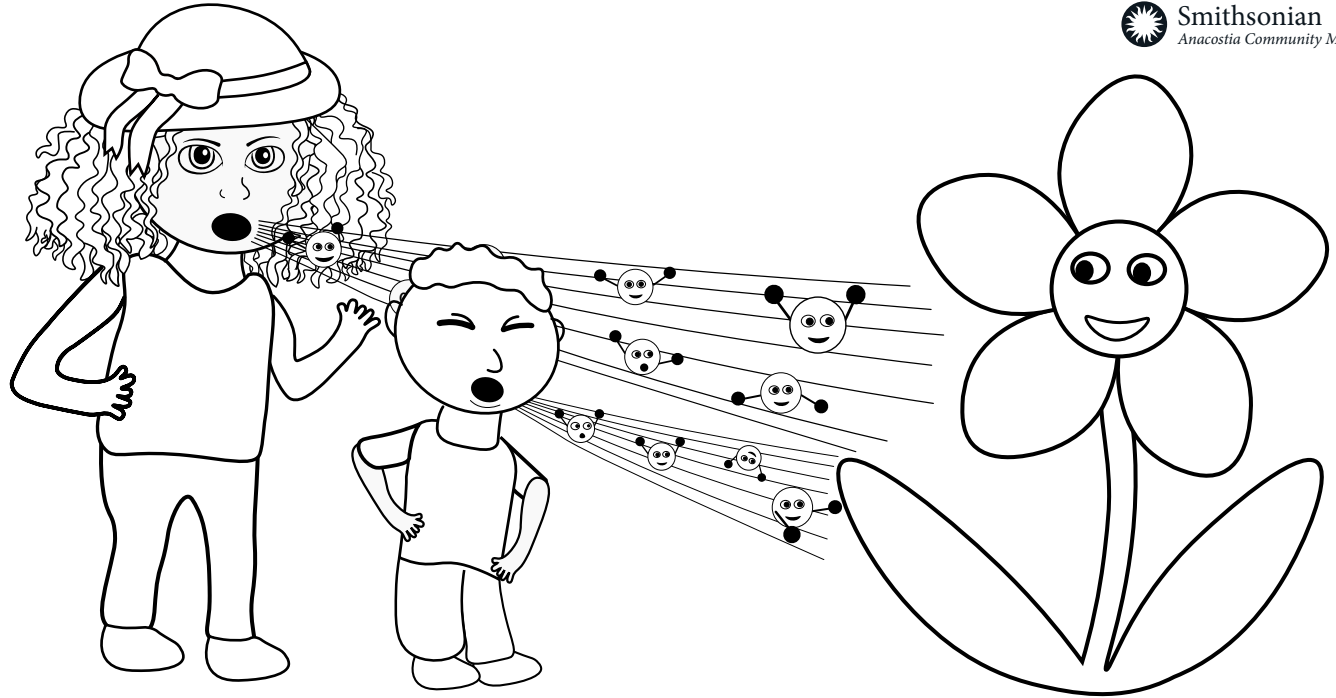
Photosynthesis... what is this?



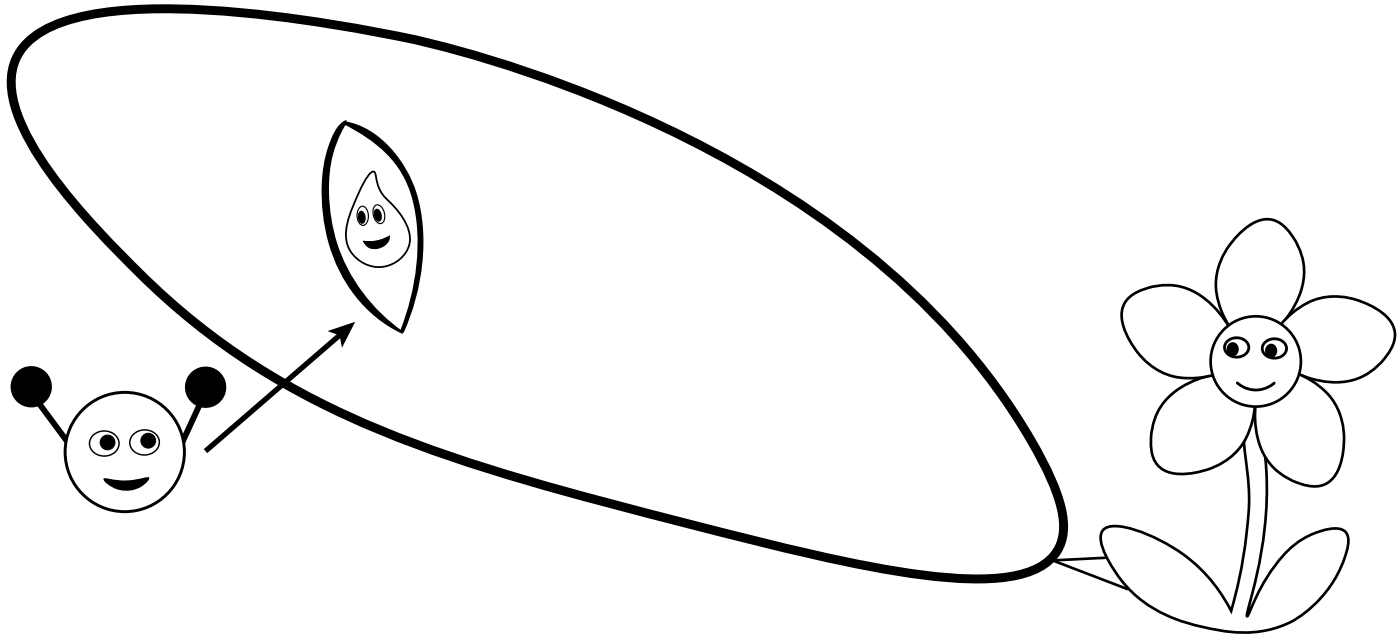
It is the process by which we make our food!



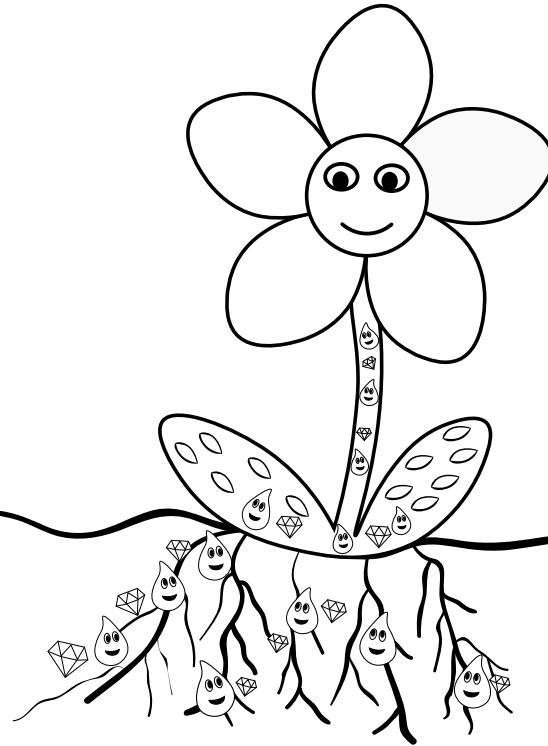
All we need are three ingredients: carbon dioxide, water, and sunlight!



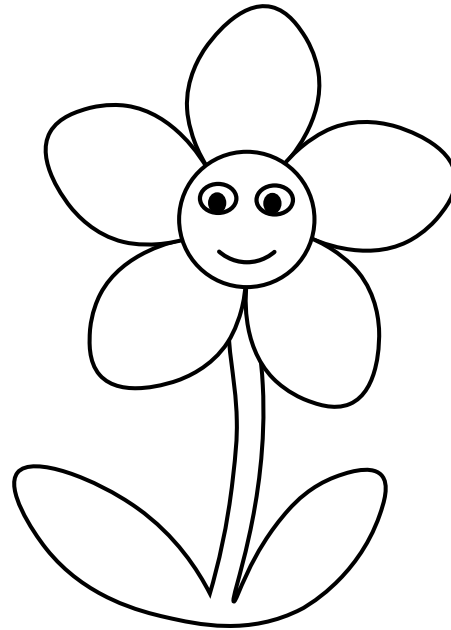
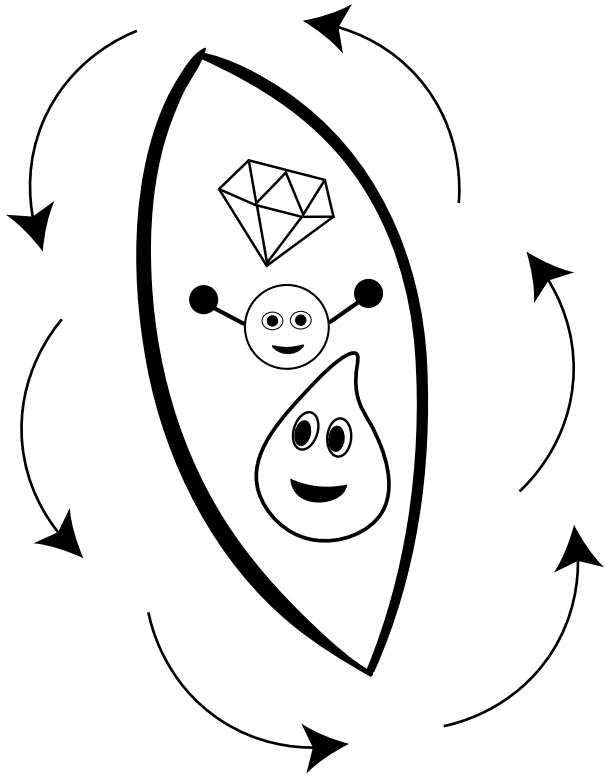
Carbon dioxide, or CO₂, is a gift from you to me.
When you breathe out, you send CO₂ to my leaves.



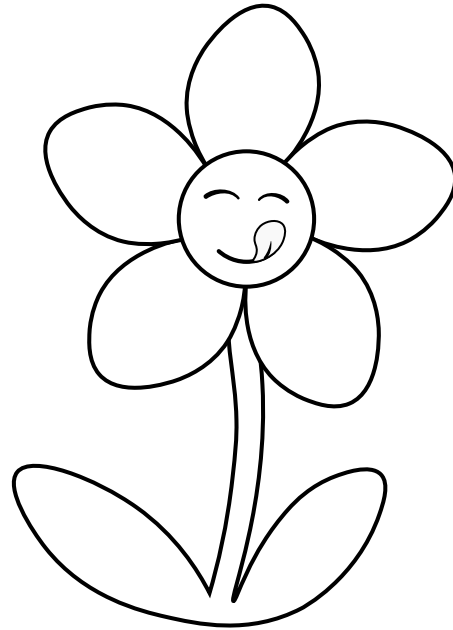
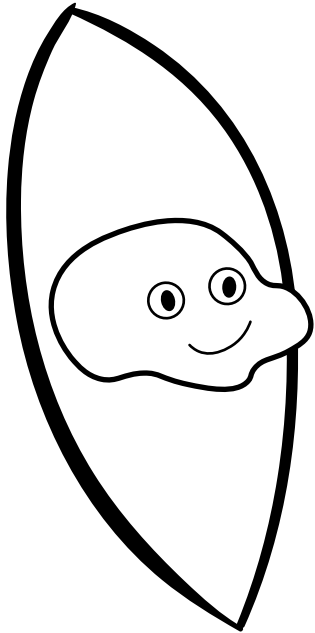
My leaves have small pores inside called stomata.
This is where CO₂ waits for some water.



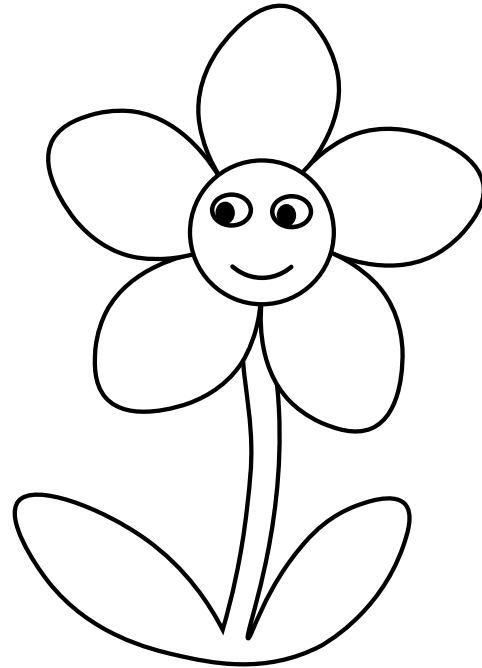
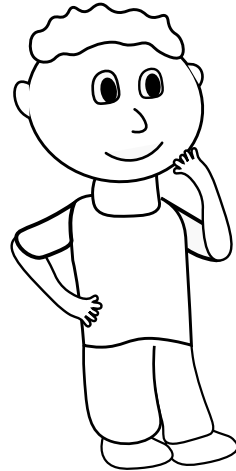
Water travels up my roots and up my stem until it gets to the stomata. It also brings minerals to help get the process started.



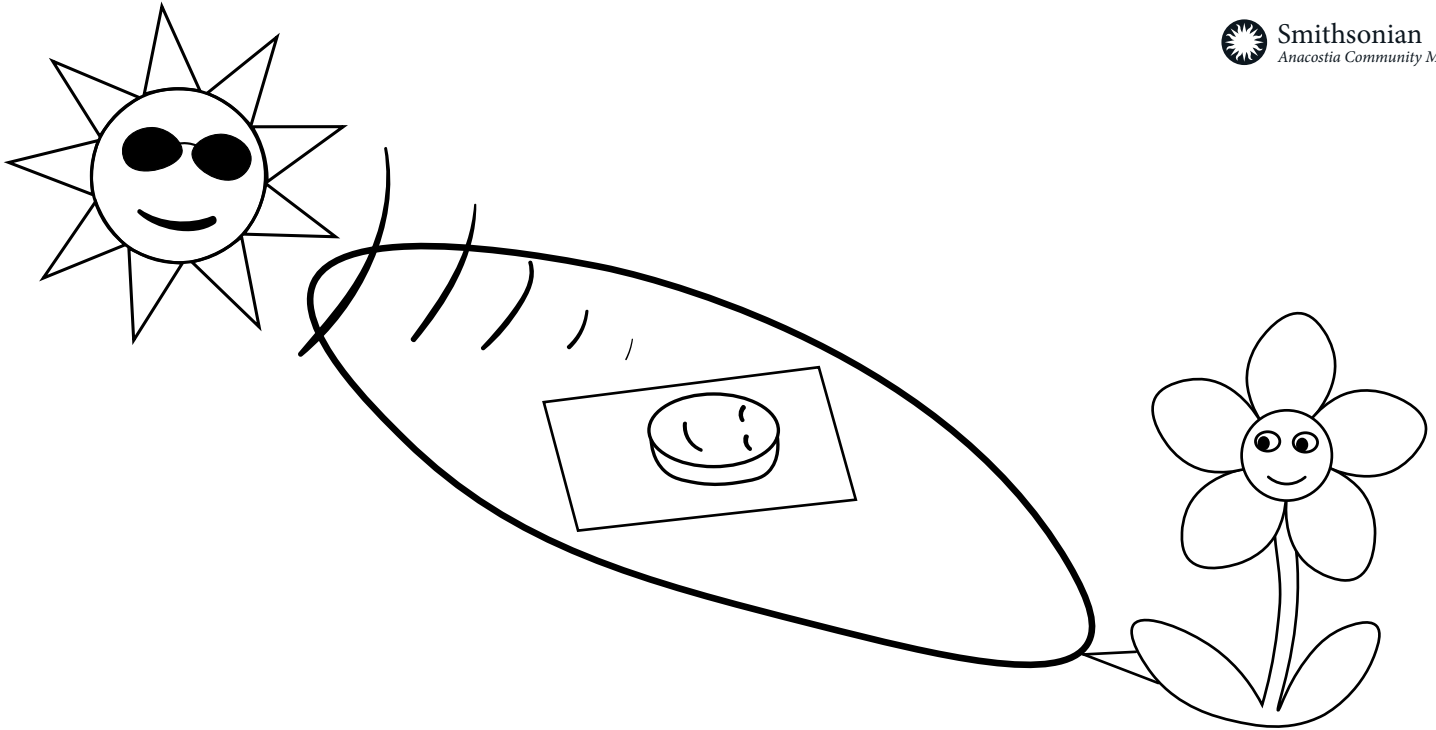
Now the water, CO₂, and minerals all mix together. The result?



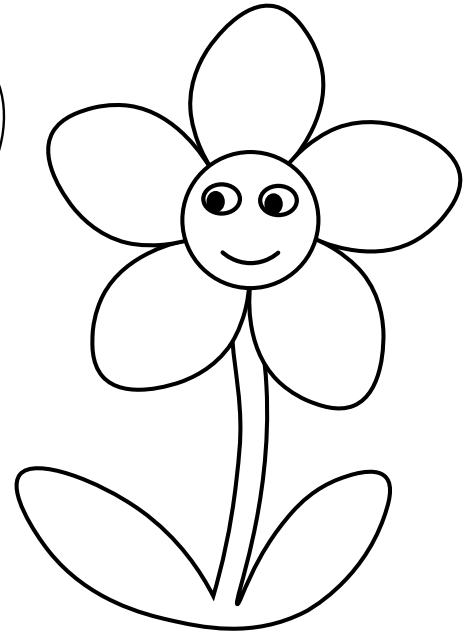
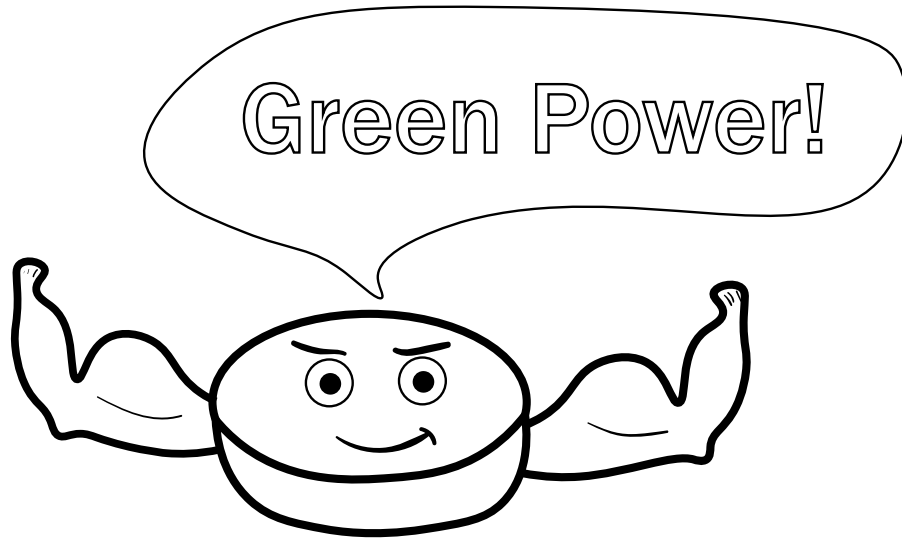
Raw sap! Yum!



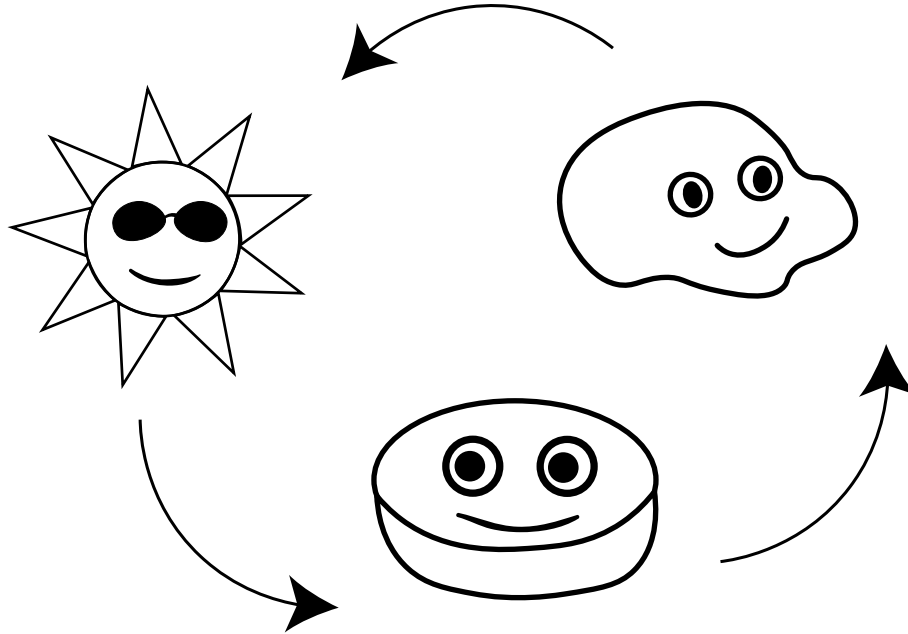
Wait! To make food I have more work to do!



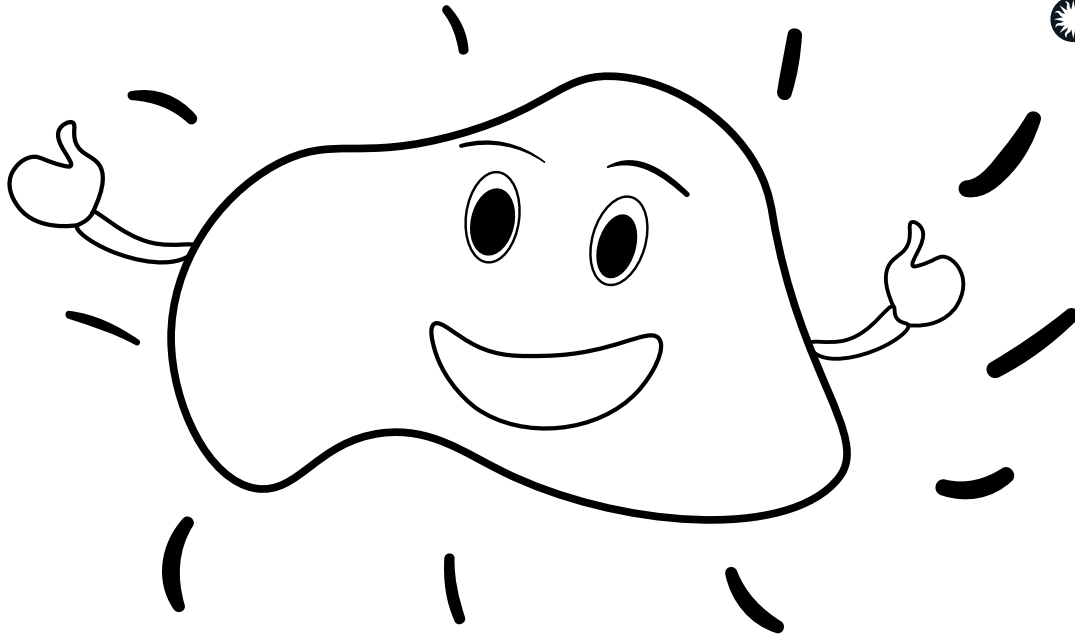
When the sun is shining, a molecule in my leaves takes in the rays.



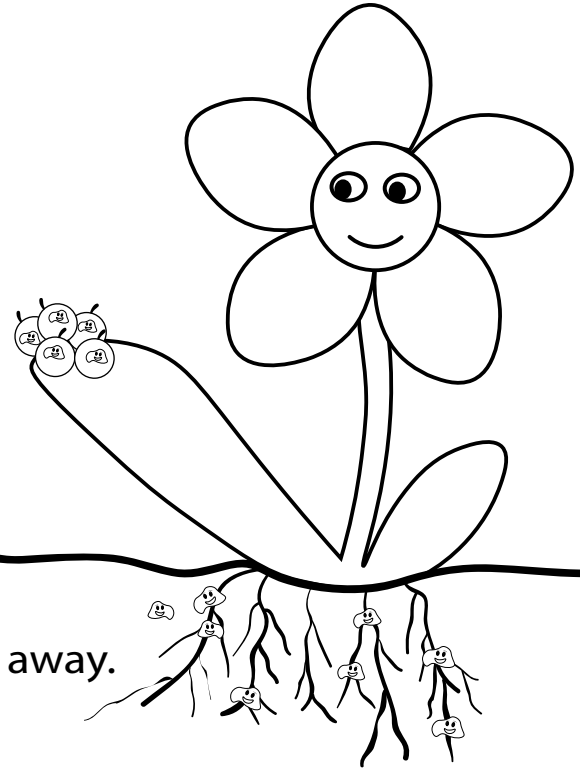
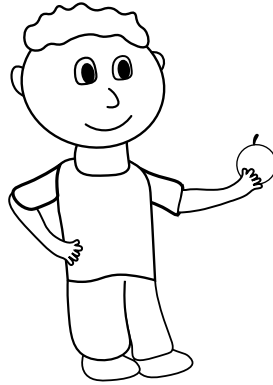
This molecule called chlorophyll is also why my leaves are green!



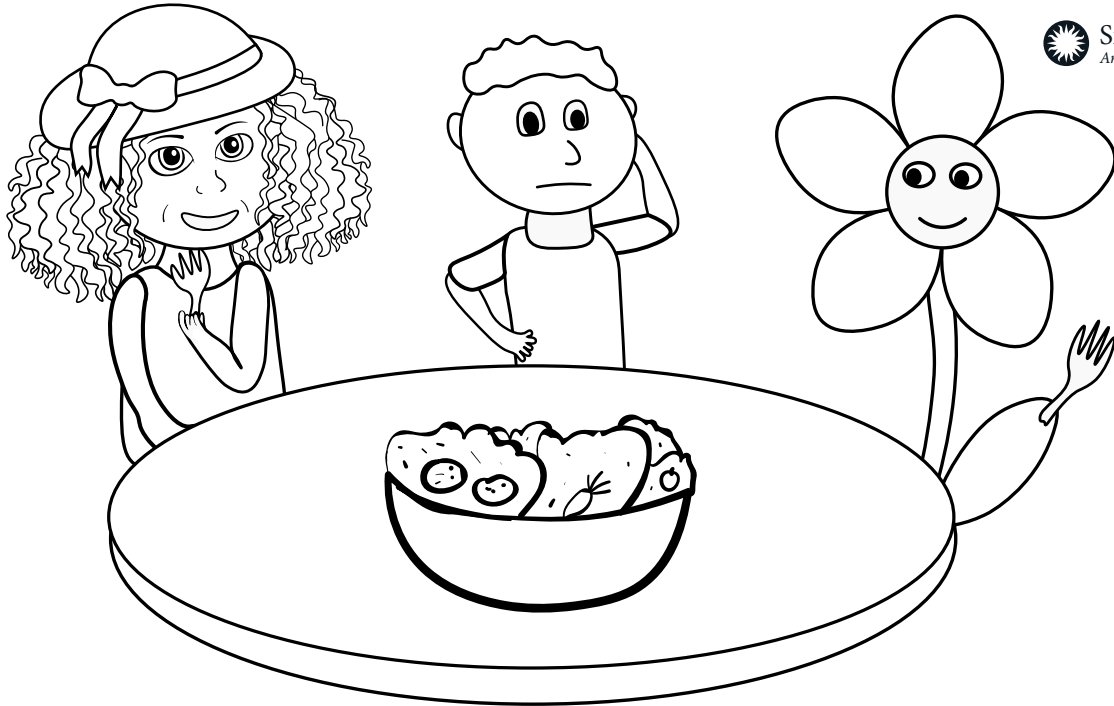
Once the sunlight is trapped, it reacts with chlorophyll and the raw sap!
Now I have something even more delicious and nutritious...



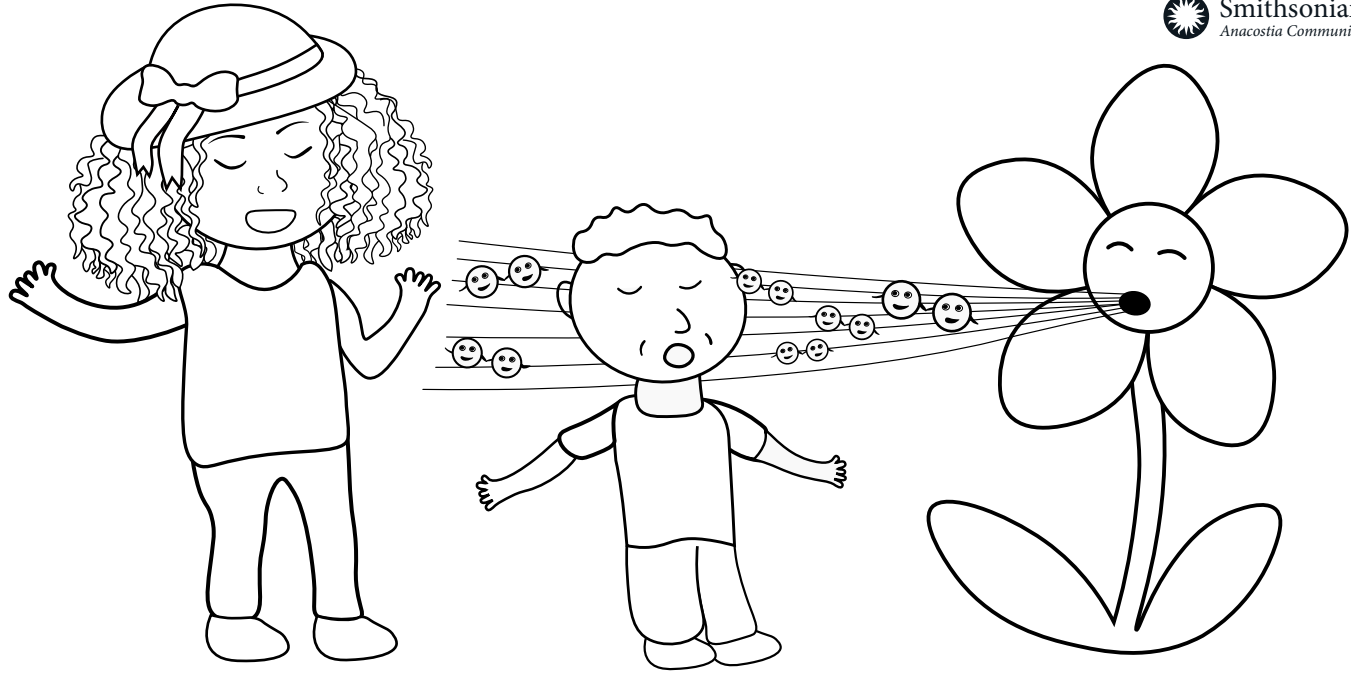
ELABORATED SAP!!



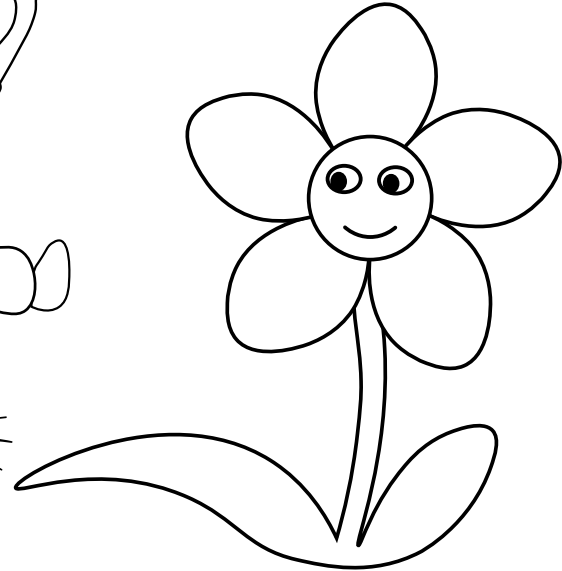
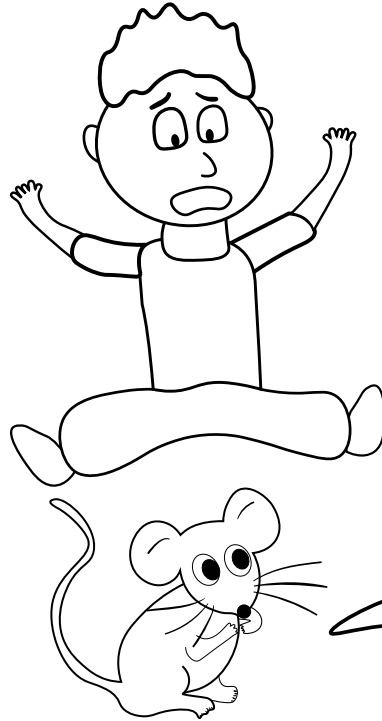
Elaborated sap, or sugar as you say, feeds me
so I can get through my day. I use some right away.
The rest I store in my roots and fruits.



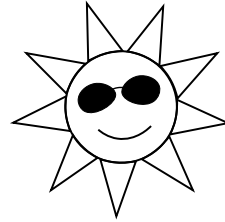
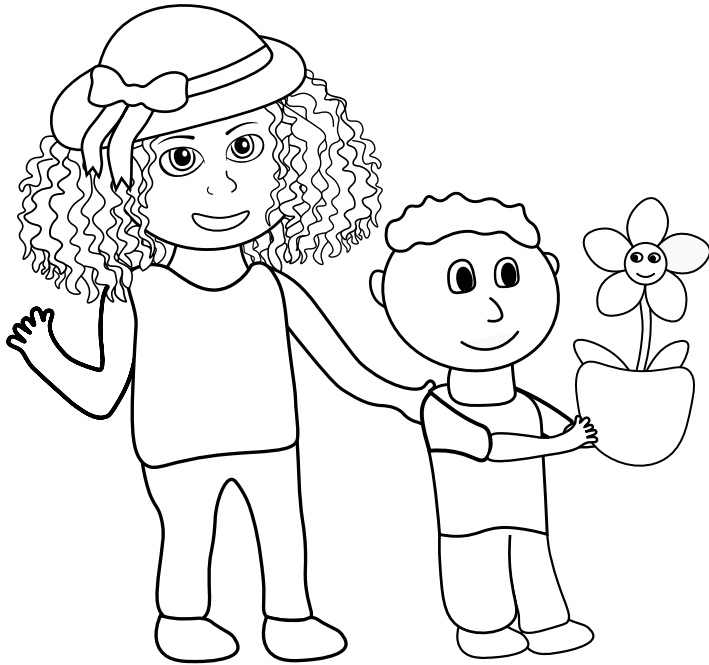
To boot, you need the sugar I have in me!
This is why you must eat your veggies!



When the process of photosynthesis is done after making food from the sun, I give you oxygen inside of me for you to breathe.



Can't you see, you simply cannot live without me!
Not you or anyone else. Not even that small mouse!



Now that you see how important photosynthesis is to you and me, please make sure I get enough sun so we all have energy for some fun!