

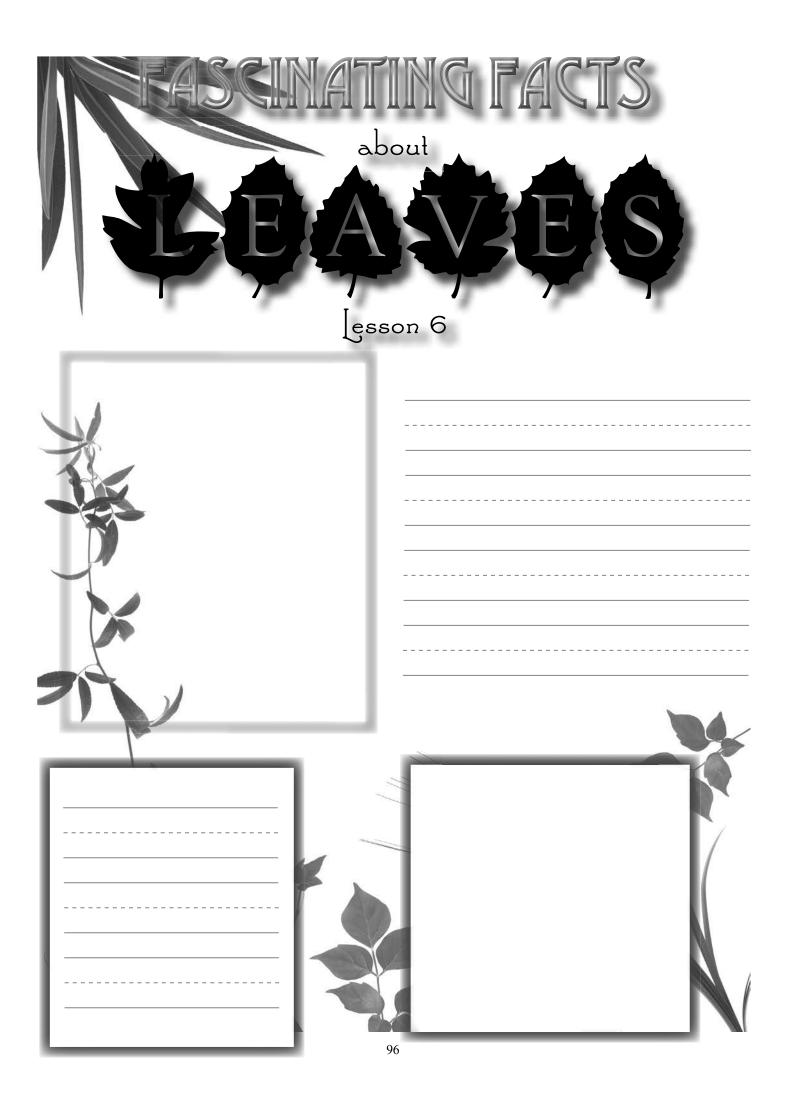
"Fruit trees of all kinds will grow on both banks of the river. Their leaves will not wither, nor will their fruit fail. Every month they will bear, because the water from the sanctuary flows to them. Their fruit will serve for food and their leaves for healing."

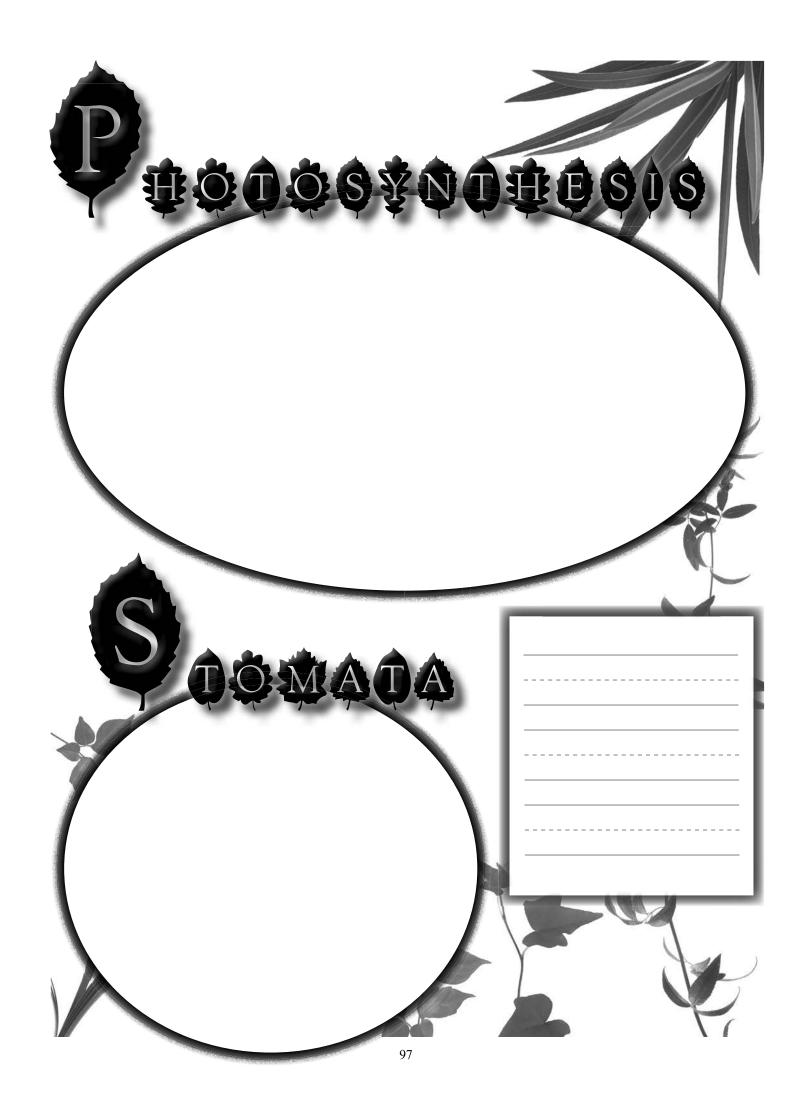
Ezekiel 47:12



Whoever trusts in his riches will fall, but the righteous will thrive like a green leaf.

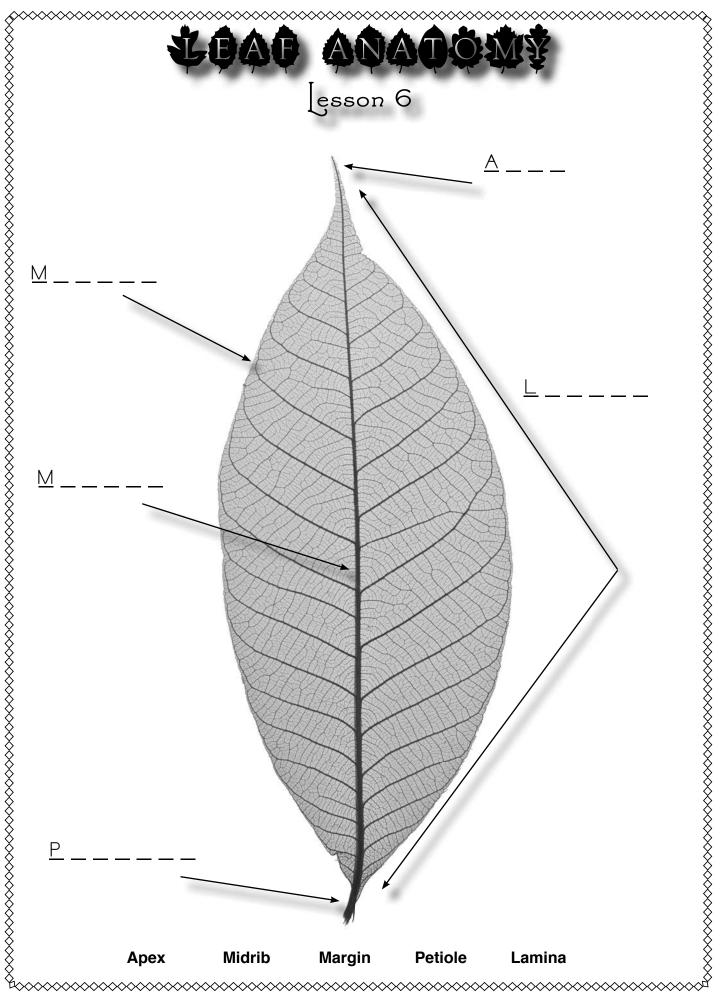
Proverbs 11:28

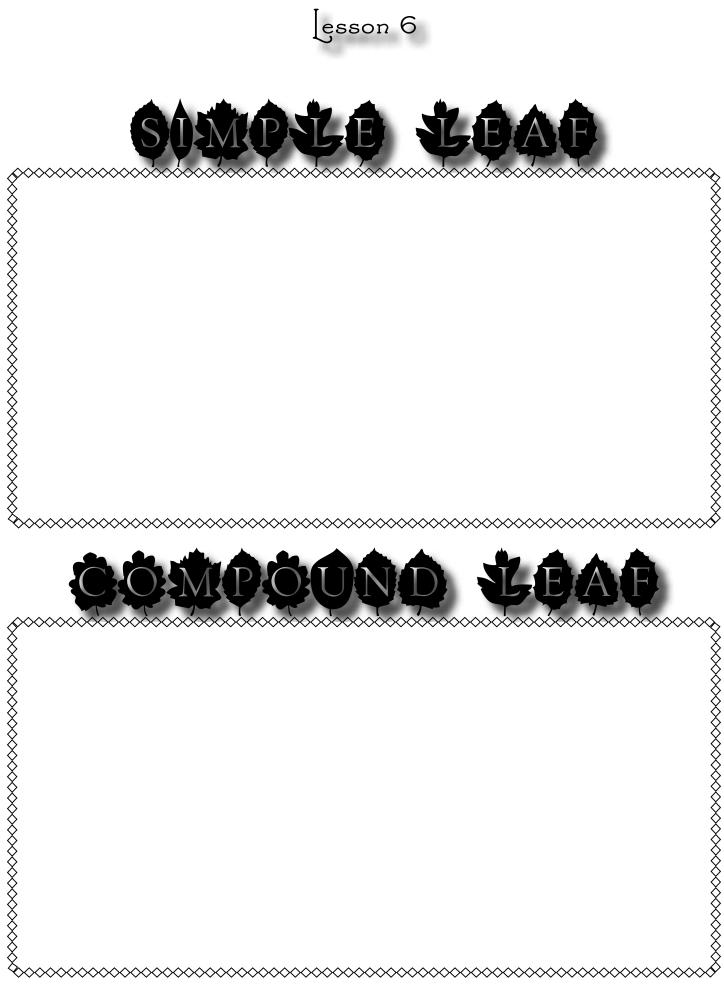




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What I did:	
What I learned:	
98	

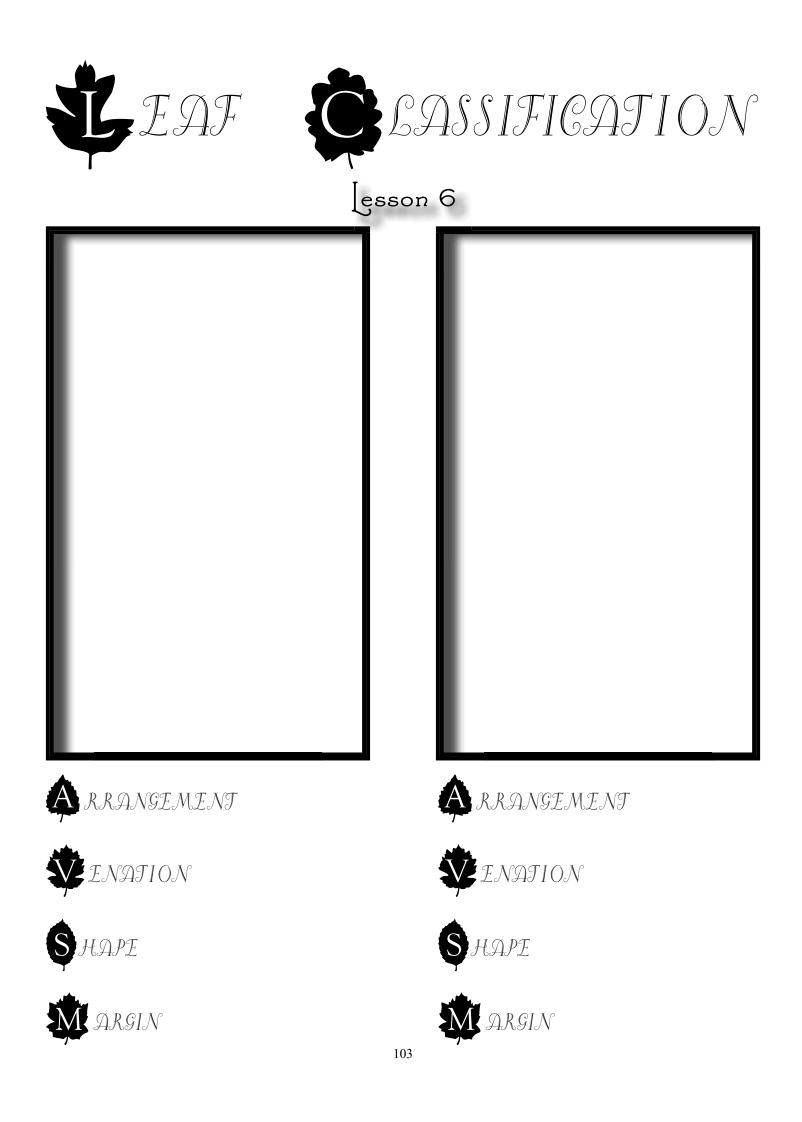
Scie	ntific Speculation S	heet
	Testing Transpiration Lesson 6	
Name	Date	
Materials Use	ed:	
Procedure:		
Hypothesis:		
Results:		
Conclusion:		



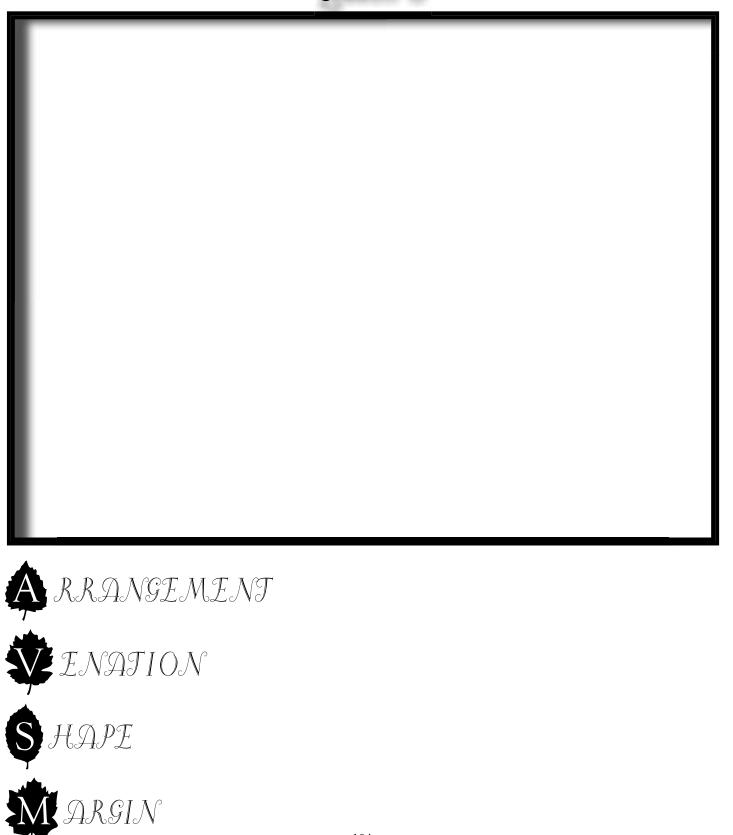




EEAF WENATION EEAF ARRANGEMENT Parallel Pinnate Palmate Opposite Alternate Whorled EEAF MARGIN Entire Serrate Dentate Crenate Undulate EEAF SHAPES l Oblanceolate Elliptical Ovate Spatulate Oblong Oval Obovate Linear Lanceolate Deltoid Clef Cordate Reniform Cuneate Orbicular Lobed Needle-like Awl-like Scale-like

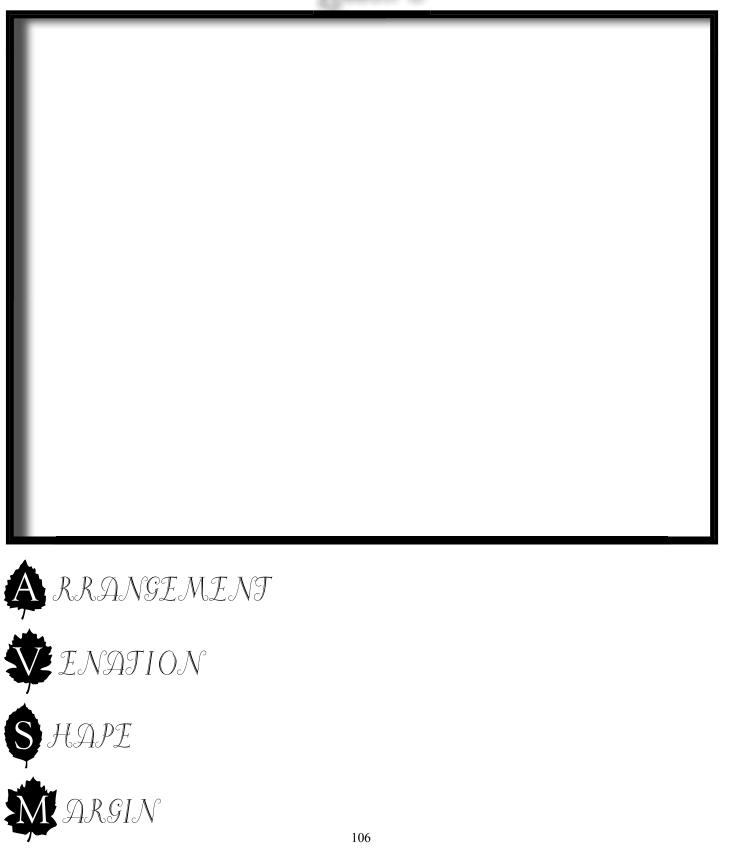


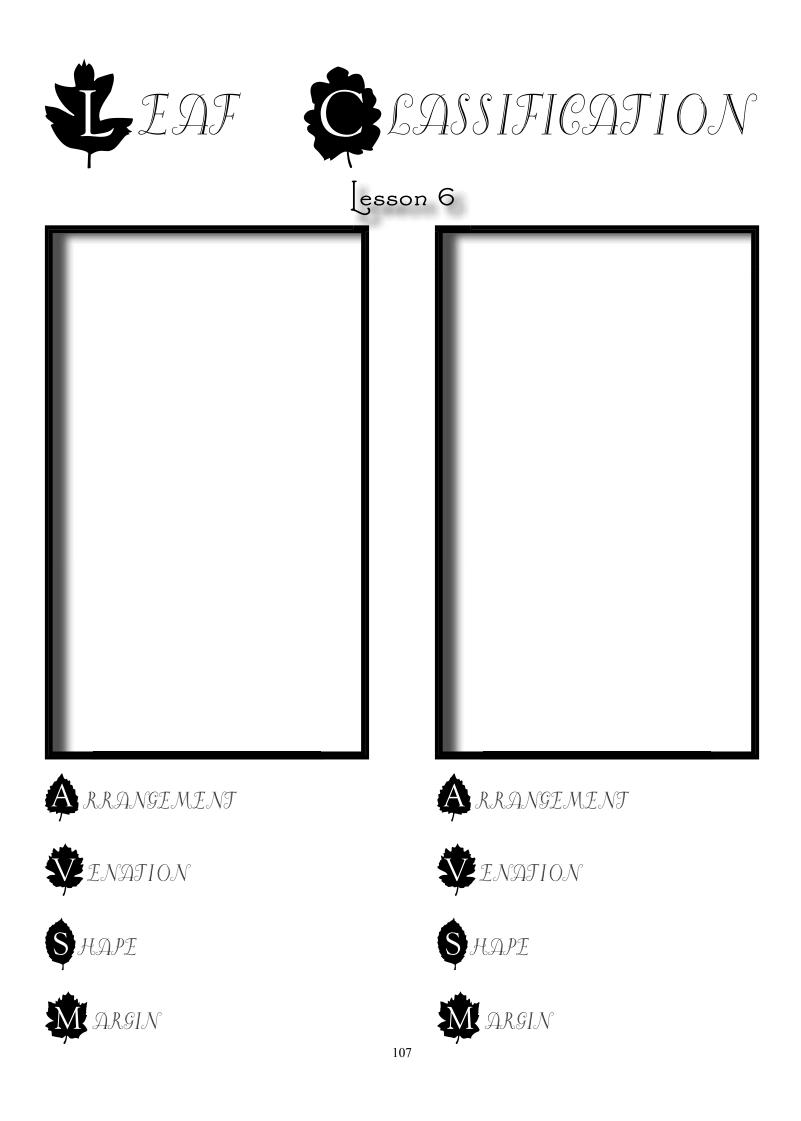


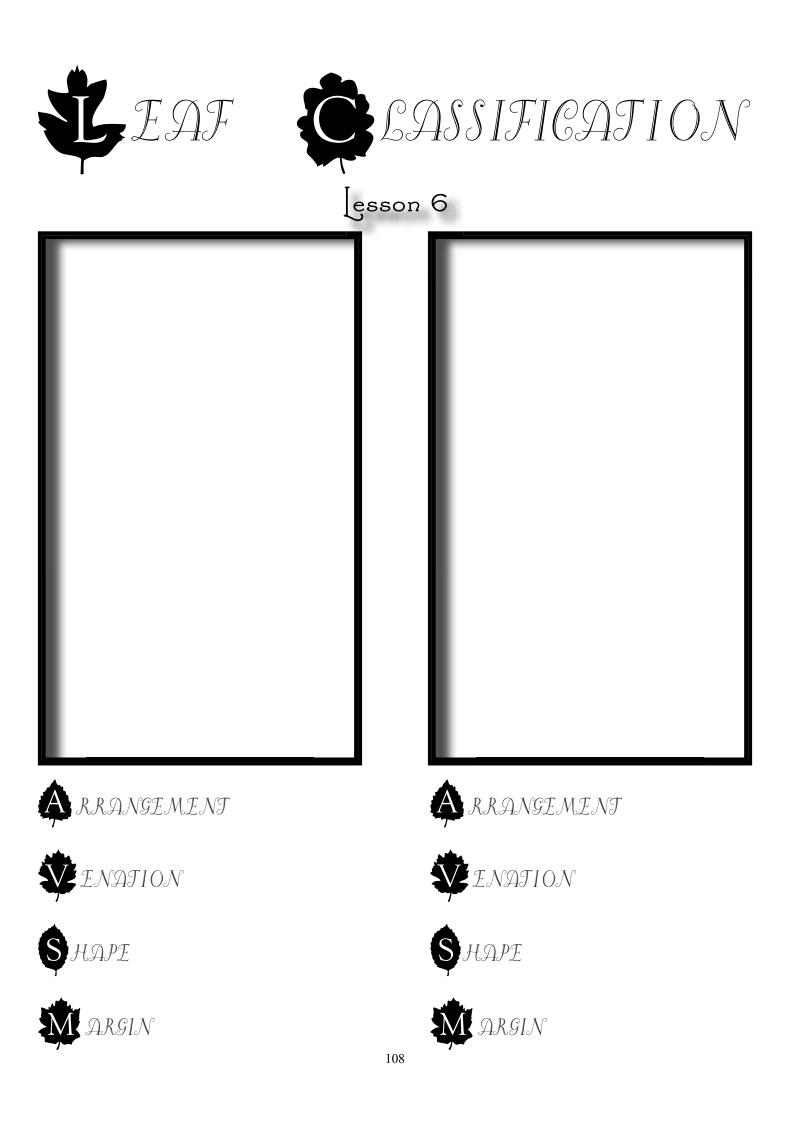




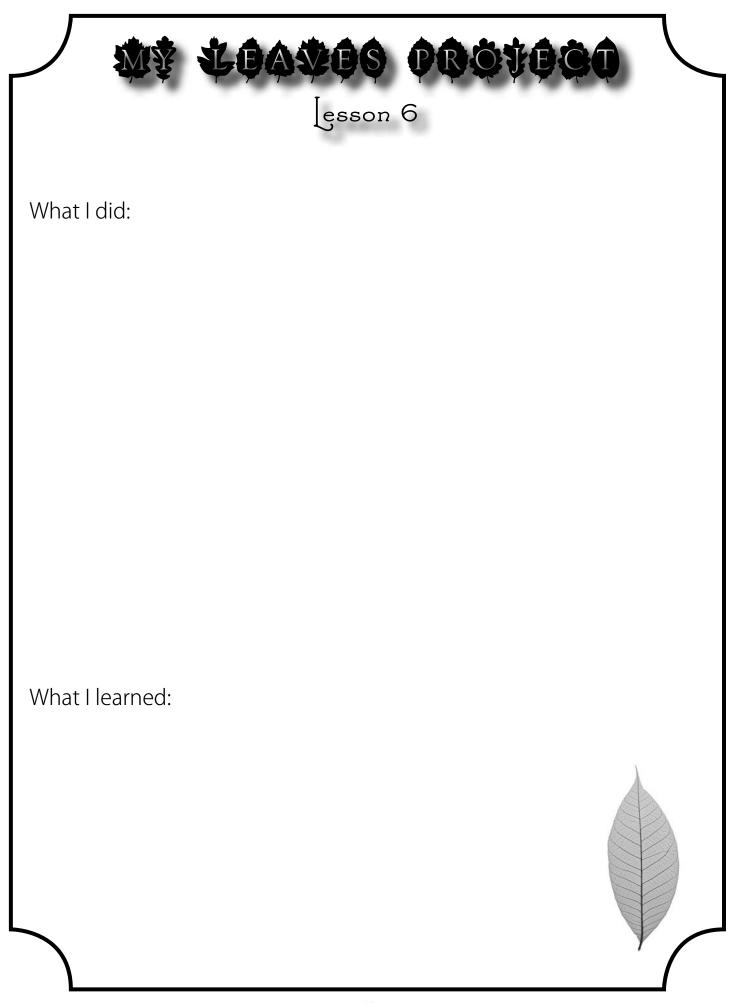














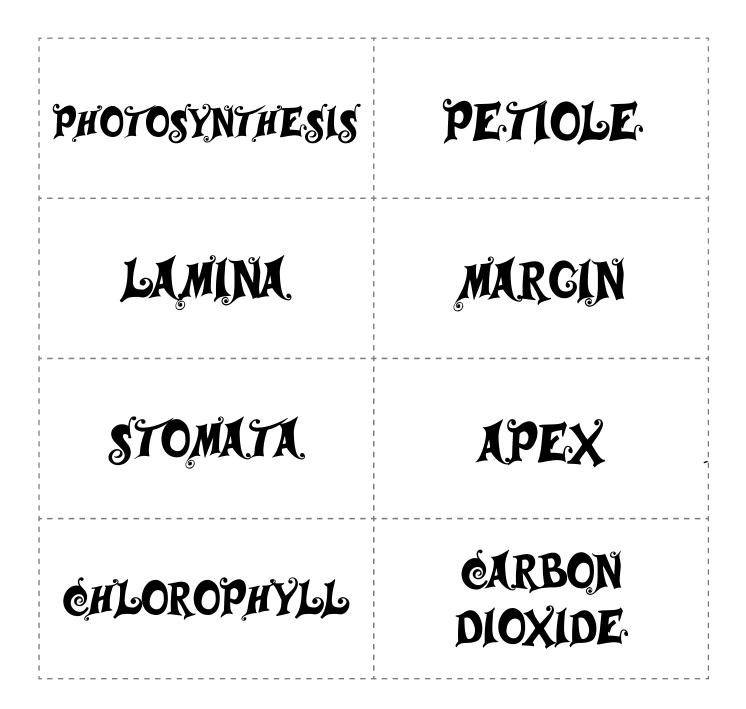


He who trusts in his riches will fall, But the righteous will flourish like The green leaf.
J Proverbs 1:28

He who trusts in his riches will But the righteous will flourish like the green leaf. Proverl - CALENTERo Maindo



Tear out this page. Cut out each word and match it to the correct definition on the following page. Then, place glue along the top edge of the back of each word and glue above the line on each definition. Once the glue is dry, fold back the word to reveal the definition.



LEAVES LIFT THE FLAP LESSON 6

Glue correct word above this line, then fold back.	Glue correct word above this line, then fold back.
The process plants use to make food for themselves.	Tiny mouths on the bottom side of a leaf.
Glue correct word above this line, then fold back.	Glue correct word above this line, then fold back.
The invisible gas plants need from the air to make food.	The green pigment found in all green plants which helps them produce food.
Glue correct word above this line, then fold back.	Glue correct word above this line, then fold back.
The place where a leaf connects to the tree or the stem of the plant.	The tip of the leaf.
· ·	The tip of the leaf.
· ·	
the tree or the stem of the plant.	



Paste your Leaf Fan onto this page.







Make a Leaf Chromatograph

You will need:

A coffee filter, leaves, a quarter, rubbing alcohol, a small glass jar, a pencil, tape, foil

Leaves have a green pigment called chlorophyll that they use to capture sunlight. But did you know that leaves also have pigments of other colors that enable them to capture colors of light that chlorophyll misses? There are also yellow and orange pigments called carotenoids, pigments called anthocyanins that can be many colors, and brown pigments called tanins. See if you can find a hint of these colors by doing a leaf chromatography experiment. The instructions are below.

First, cut a one inch strip from a coffee filter. Make one end pointed. Put a leaf on the coffee filter strip about 1/4 inch above the point. Firmly roll the edge of the quarter over the leaf, pressing green leaf juice into the strip. Allow the green leaf juice to dry. Repeat this process again with several more leaves to ensure that a lot of green pigment is on the coffee filter strip.

Now, pour 1/2 inch of rubbing alcohol into the bottom of the jar. Tape your coffee filter strip to the middle of the pencil and hang it so that the very tip of the strip touches the alcohol. Make sure the part that has leaf juice on it is above the alcohol, not touching it. Next, secure foil over the top of the jar to keep the alcohol from evaporating.

Watch the alcohol move up the coffee filter. What happens? In about 10-15 minutes, you will notice the colors from the leaf juice beginning to separate. Pull the filter up before the alcohol reaches the top. You have made a chromatograph!

Add Some Spice to Leaf Hunting

Leaf hunting can be a fun activity. You can add a little more excitement to leaf hunting by making a scavenger hunt list of the different kinds of leaves you might find. Set a time limit and have a race to see who can find the most leaves!

Leaf Collecting

For some more fun, go out and collect a variety of leaves. Have your parent find some different kinds of leaves and show them to you. Go on a hunt and see how long it takes you to find those particular leaves.

Make Leaf Creatures

In the fall, leaves are abundant. It is fun to collect different shapes, sizes, and colors. You can assemble the leaves into people, animals, or make-believe creatures. One leaf could be the head, and another type could be the legs or tail. See how many different things you can create from the leaves.

Leaf Imprints

It is fun to make crayon imprints using dried leaves. Place the leaves under a piece of paper (rice paper is ideal, but not necessary). Peel the paper off a crayon and, using the side of the crayon, color over the leaf.

