

# **Botany Scavenger Hunt**

## You will need:


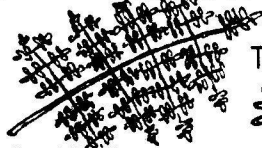

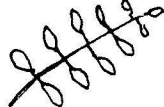


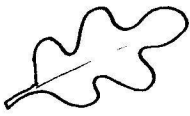


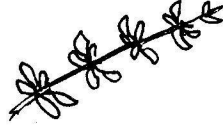

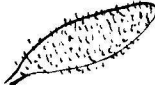







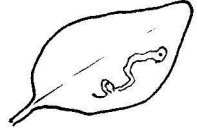
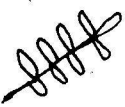
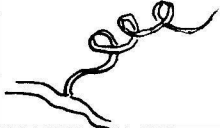
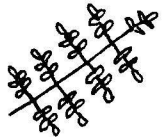

- photocopies of the pattern page (it's designed to be double-sided)
- gallon-size plastic zipper bags (with kids' names on them, if you have a class)

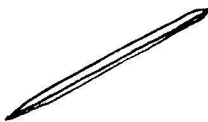
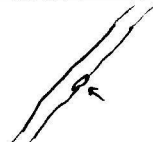
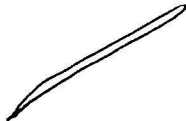




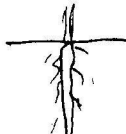


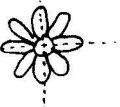


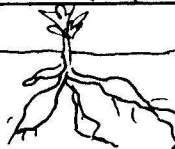

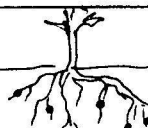


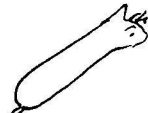


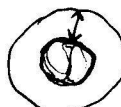


## Directions:

Each student will need a copy of the scavenger hunt and a gallon-size resealable plastic bag for collecting specimens. Set a time limit for the collection period. You can make this time period whatever suits your needs. You could do it all in one afternoon on a nature field trip, or you could do it over several weeks, allowing for students to be constantly on the look-out for things they need to collect. (I recommend that the bags be kept refrigerated during the collection time if it extends more than a day or two.)

If you are doing this as a group, you may want to award prizes according to point values earned. One method that works very well is to have a prize table with point values assigned to all the prizes. Students may "spend" their points at the prize table. To make it fair, line them up in order of how many total points they earned, letting the students who earned the most points go first. Each person only gets to take one prize the first time through, so that there is a nice selection still available for everyone. Then they go past the table a second time, taking one more item, then a third time, etc. This way those who worked hard get rewarded without slighting or discouraging the other students.

# BOTANY SCAVENGER HUNT

	Simple leaf with smooth edges	1	 Triply pinnate leaf This shape repeated 3 times.	3
	Simple leaf with serrated edges	1		1
	Simple leaf with undulating edges	1		1
	Simple leaf with lobes	1		2
	Simple leaf with deltoid shape	2		2
	Simple leaf with chordate shape	2	 Furry leaf (the fuzz on the helps to prevent evaporation)	2
	Simple leaf with circular shape	2	 Variegated leaf (light and dark colors in some kind of pattern)	2
	Simple leaf with oval shape	2	 Succulent leaf (very thick and juicy— plants from dry climates)	1
	Simple palmate leaf	1	 Leaf gall little bump where insect irritated leaf	2
	Compound palmate leaf	1	 Leaf containing a "leaf miner" (or that used to contain a miner)	5
	Simple pinnate leaf	1		2
 This shape repeated twice.	Doubly pinnate leaf	2	 Stipules (these covered the leaf while it was developing)	2

	Flat conifer needle (can't be rolled between fingers)	1		Leaf scar (after the leaf falls off, it leaves a scar on the twig)	1
	Round conifer needle (can be rolled between fingers)	1		Twig gall (swollen bump on twig where an insect irritated the plant)	5
	Tuft containing 3 needles	2		Stem gall (swollen knob in stem where an insect irritated the plant)	5
	Tuft containing 5 needles	2		Tap root (but NOT carrot)	2
	Male cone (usually only found in the spring)	2		Fibrous root (but NOT grass)	3
	Regular flower (one that has symmetry)	1		Stolon (modified stems that travel underground; grasses and mints make them)	3
	Irregular flower (no symmetry)	2		Tuber (thickening in root) (but NOT potato)	4
	Flower spire	2		Nitrogen fixing nodules (often found on roots of clover, beans and peas)	5
	Composite flower	2		Seed designed to fly or float in the air	2
	Tube-shaped flower	2		Seed case with barbs or hooks	2
	Apical bud (also called terminal bud)	1		Seed case thicker than 1/8"	3
	Axillary bud (also called lateral bud)	1		A wild fruit (you have to find it, not buy it) (DO <b>NOT</b> TASTE IT!!)	4

NAME: \_\_\_\_\_

TOTAL POINTS EARNED: \_\_\_\_\_