

A Field Guide To

East Bog Swamp














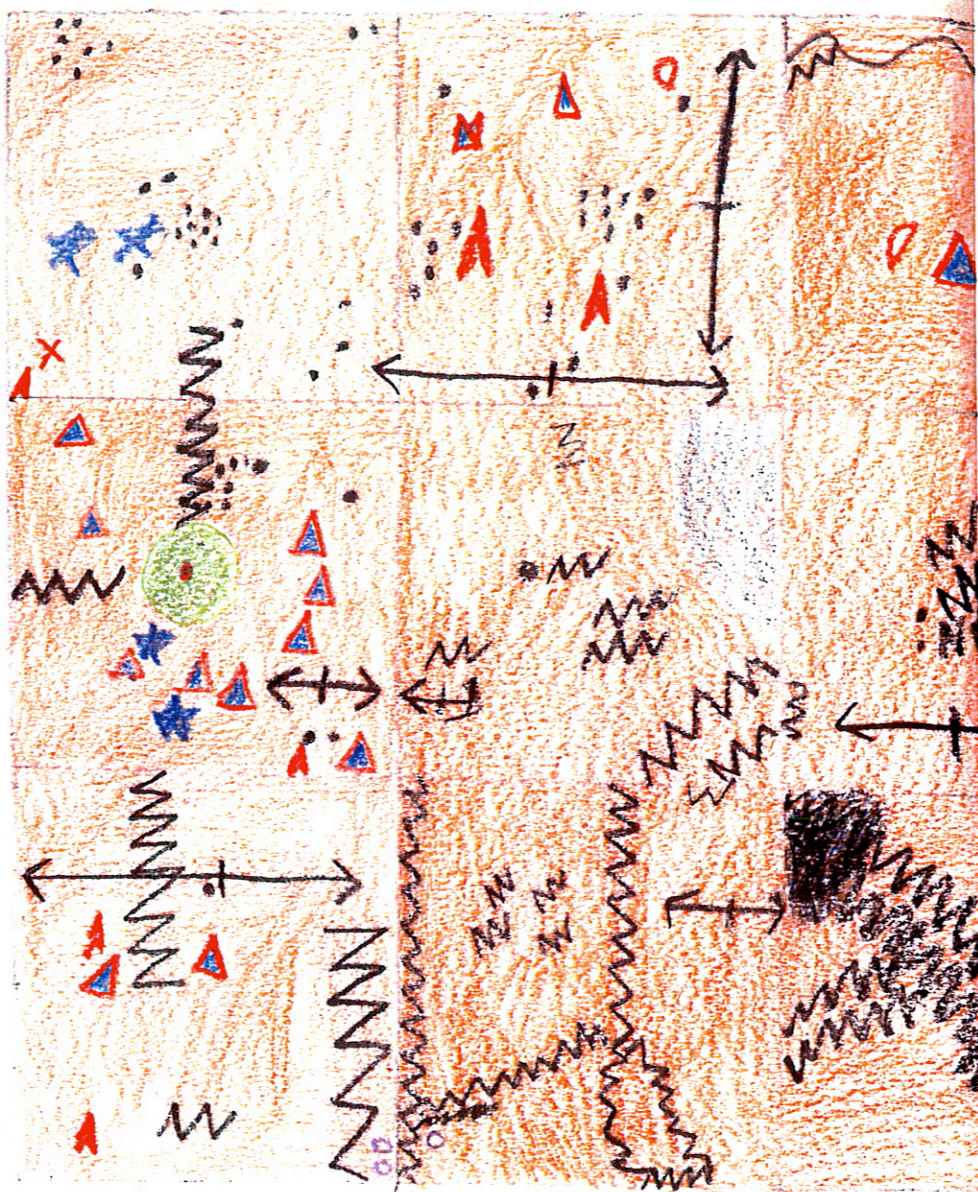
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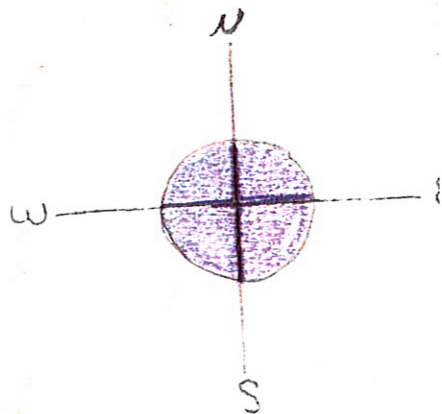
A Brief Foreword

Our plot is named East Bog Swamp. We named it this because it is swampy and like a bog, our plot was situated east of the place where the class meets every time we go to Applewoods, so we decided on East Bog Swamp. The topography of our plot is very level. The moss and sticks poking up makes the plot look unlevel but it is actually level. There are a few mounds and roots and there are pits where the water is. We chose this area because it had interesting plants and lots of diversity. There was lots of water and there was a tree that grew along the ground and then grew up and made a "bridge". In the beginning of the year, when we first went to Applewoods, there were mushrooms and scat and there wasn't much water, but as it got colder and fall came, more leaves began to fall and the scat and some plants were decomposing. Our plot had water and mud some days, and only a few leaves, and then the next time we'd go there'd be a lot more water or the mud would have dried and more leaves would have fallen, so we noticed that the things in the plot change seasonally.

	Leaves, Birch, Beech, Oak, Maple, striped maple
	Yellow Birch Tree (Betula Alleghaniensis)
	Yellow Birch Sapling (Betula Alleghaniensis)
	Hemlock Sapling
	Dead Yellow Birch log (Betula Alleghaniensis)
	Bog Clubmoss (Lycopodium mundatum)
	Golden Thread
	Beech Sapling (Fagus grandifolia)
	Striped Maple Sapling
	Field Horsetail equisetum arvense
	Hemlock tree
	Unknown Grass
	Water



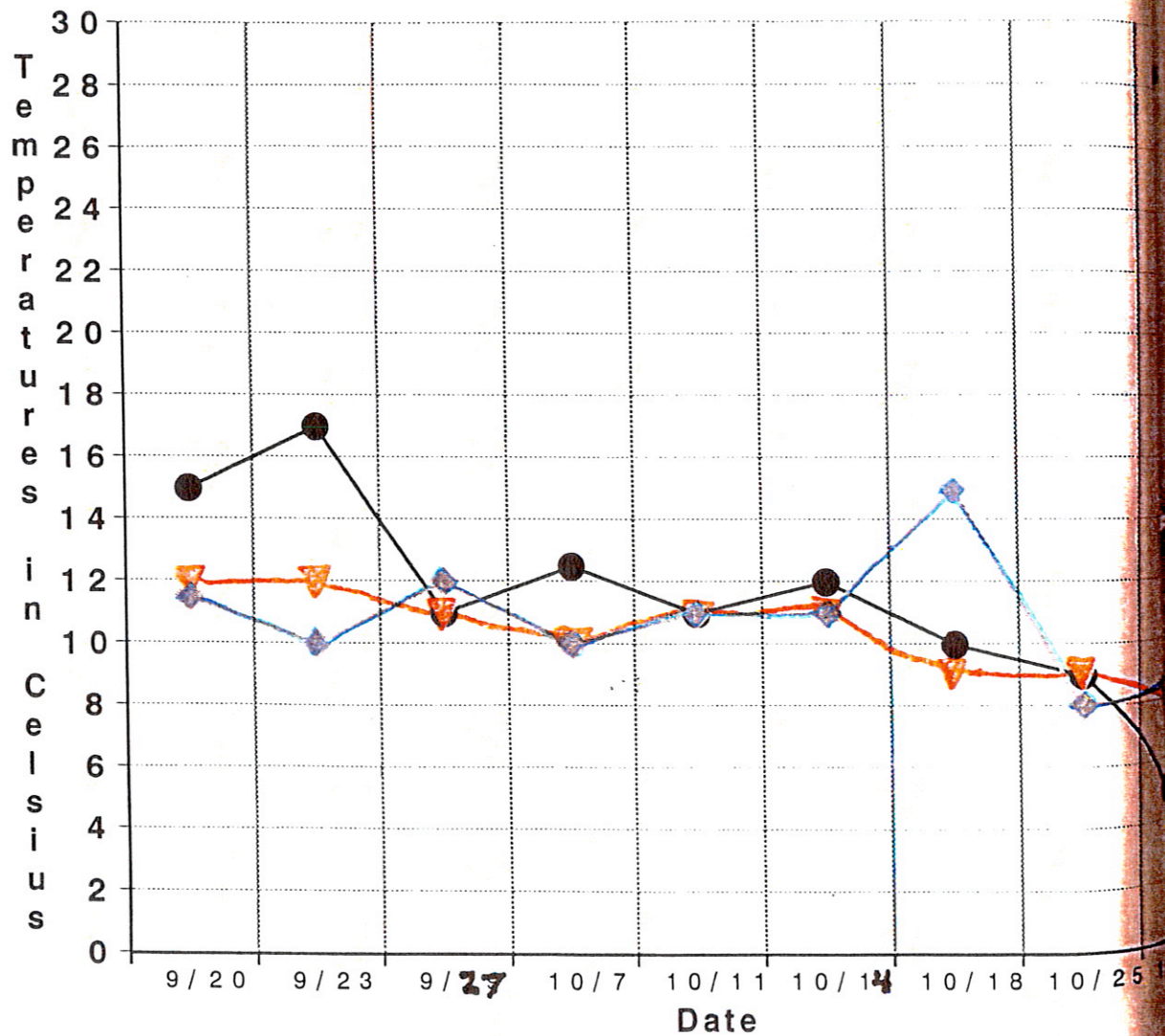
This is a floor plan
of our entire plot.



Population	Count	Other Information
Sticks [betula alleghaniesis]	141	Sector 1,2,5,6,7,8,9 Birch, Spruce, maple hemlock,
Leaves [fagus grandifolia] [betula alleghaniesis]	637	Sector 1,2,3,4,5,6,7,8,9, maple, striped maple, beech, birch, hemlock, spruce, oak
Saplings [Betula alleghaniesis] [Fagus grandifolia]	14	Sector 1,2,4, Birch, Beech, striped maple
Moss Clumps [Lycopodium inundatum]	41	Sector 1,2,3,4,5,6,7,8,9, Unknown, Bog Clubmoss
Field Horsetail [Equisetum arvense]	1	Sector 1,
Grass Clumps [unidentified]	12	Sector 1,7,8,
Golden thread [Coptis groenlandica]	83	Sector 1, 2,3,4,5,6,7,8, in the Butter cup family
Euglena [Flagellates Mastigophora]	uncountable	Sector 3,5,6,9
Dead Yellow Birch Logs [betula alleghaniesis]	6	Sector 2,3,4,5,6, birch

this is the inventory for our plot

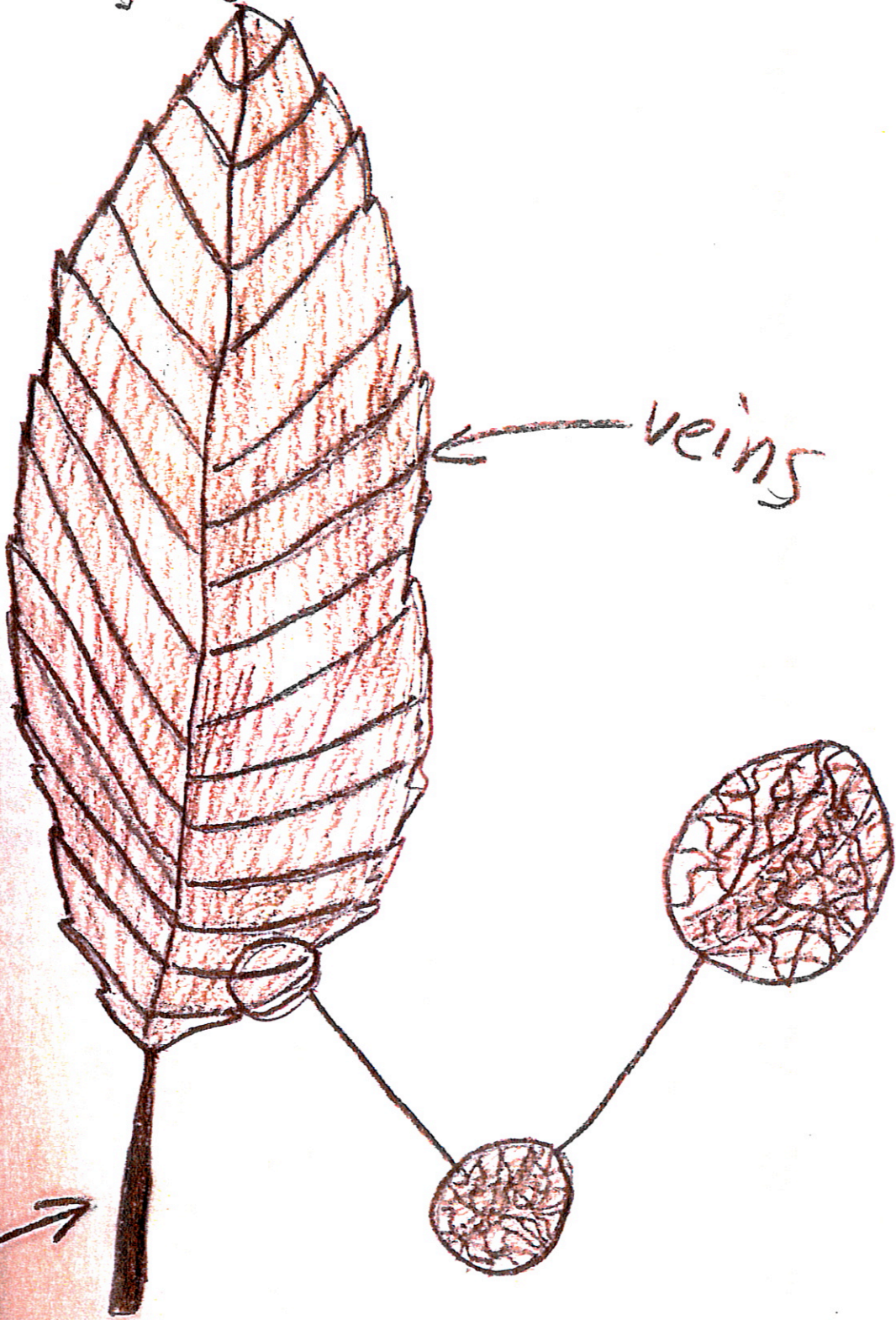
Applewoods temperatures graph



Ground
 25 cm below
 60 cm below

This is a graph that shows the temperatures of days that we went to camp.

fagus grandifolia



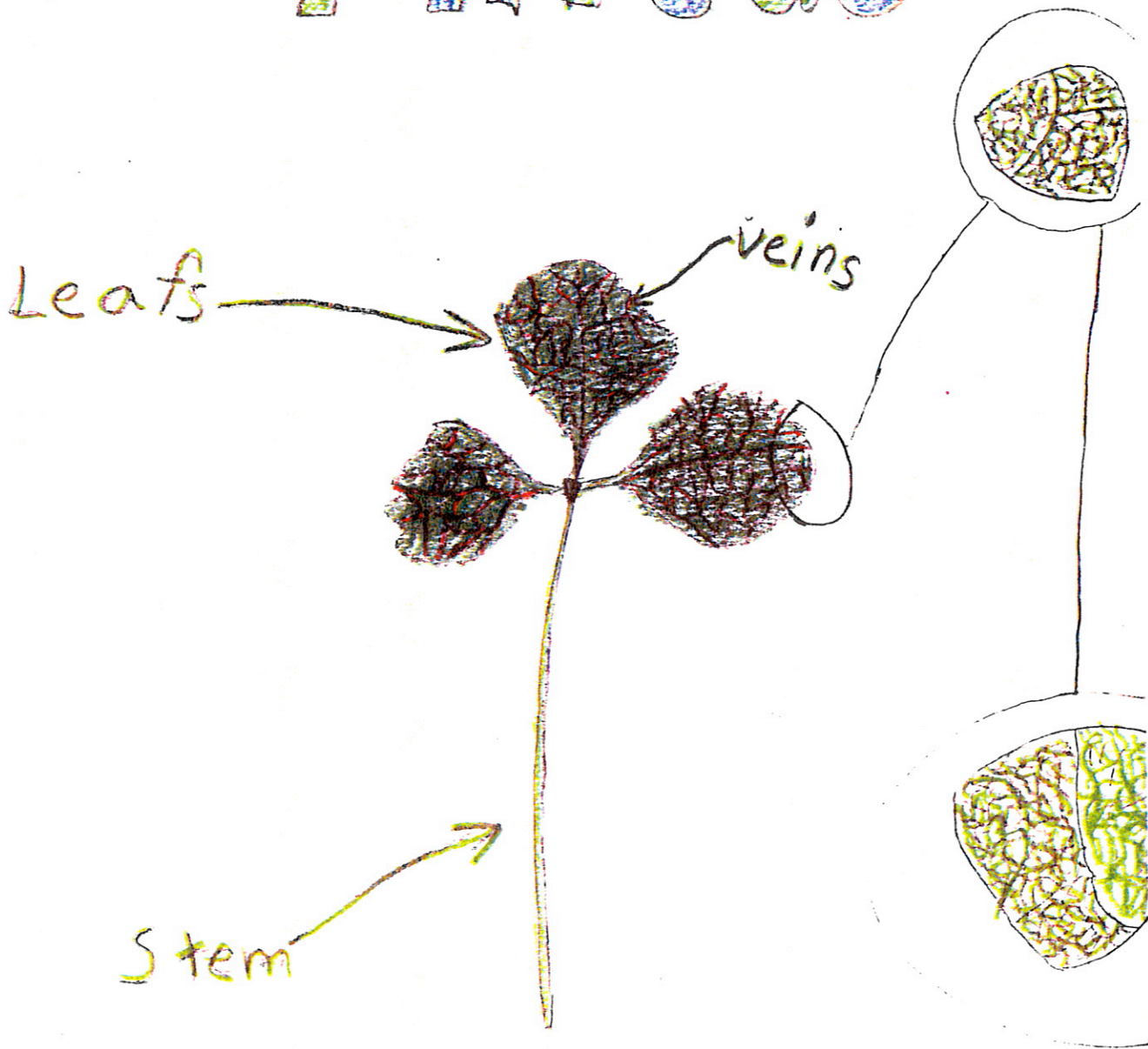
veins

stem

In the Buttercup family

Gold-

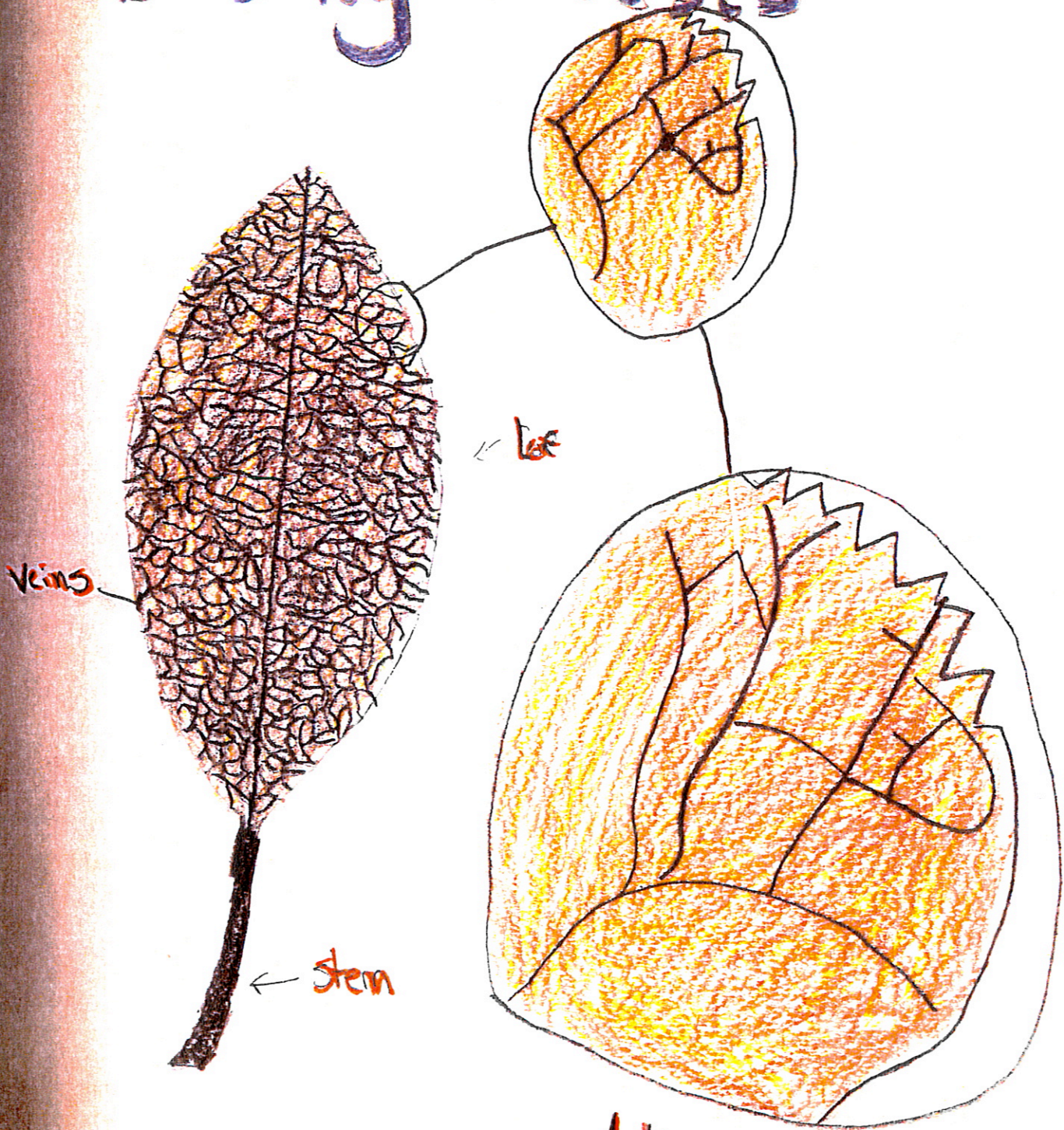
Thread



(Coptis grossa) endica

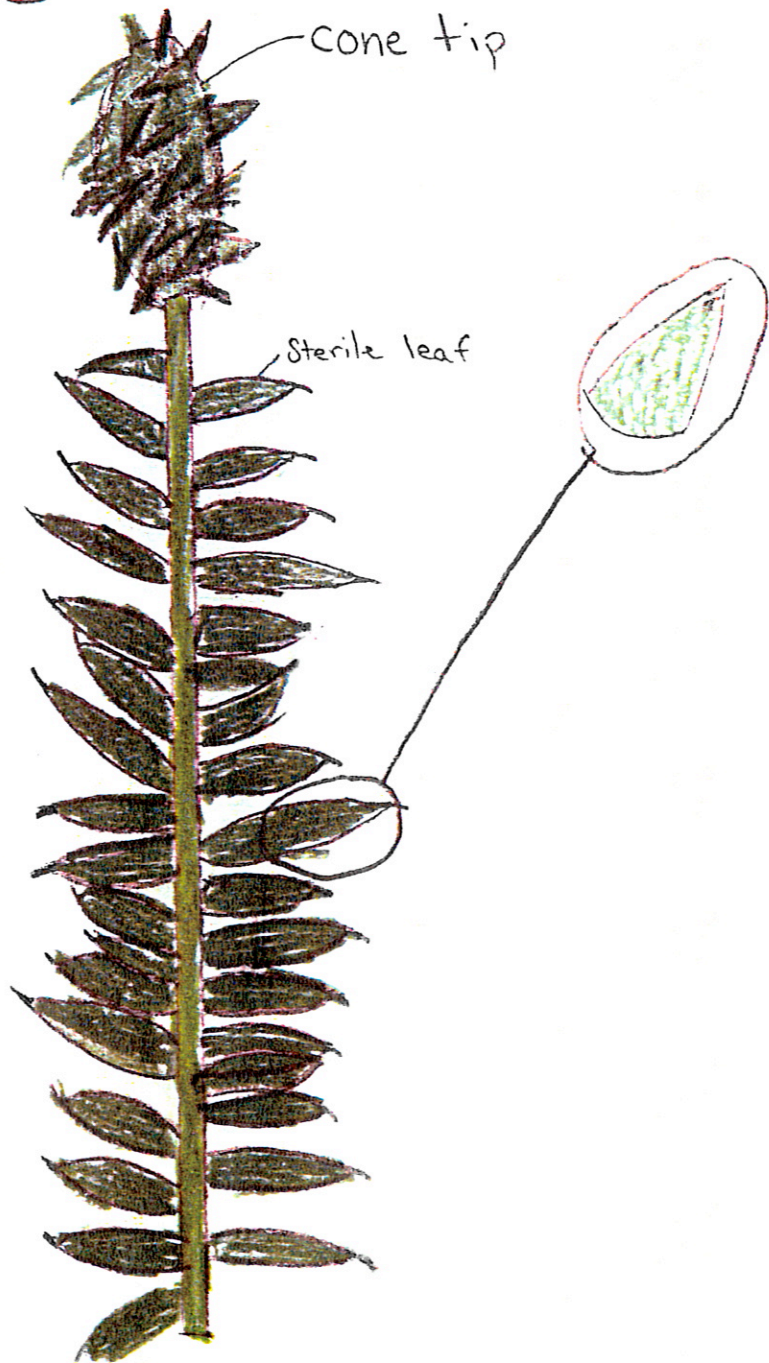
Yellow Birch Leaf

Betula alleghaniensis

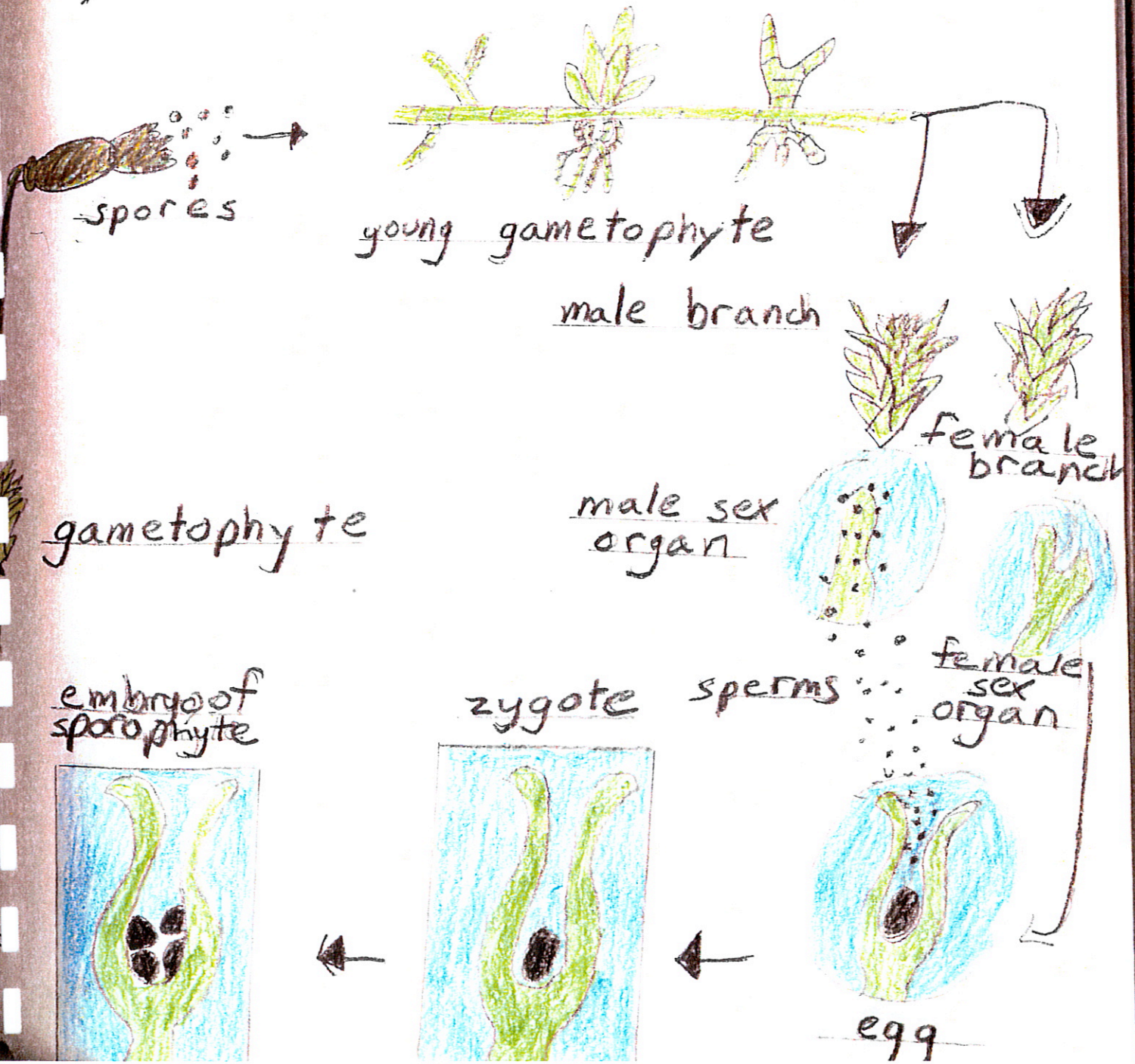


A big drawing
of some veins

Lycopodium Inundatum Bog CLUBMOSS



Life cycle of a MOSS

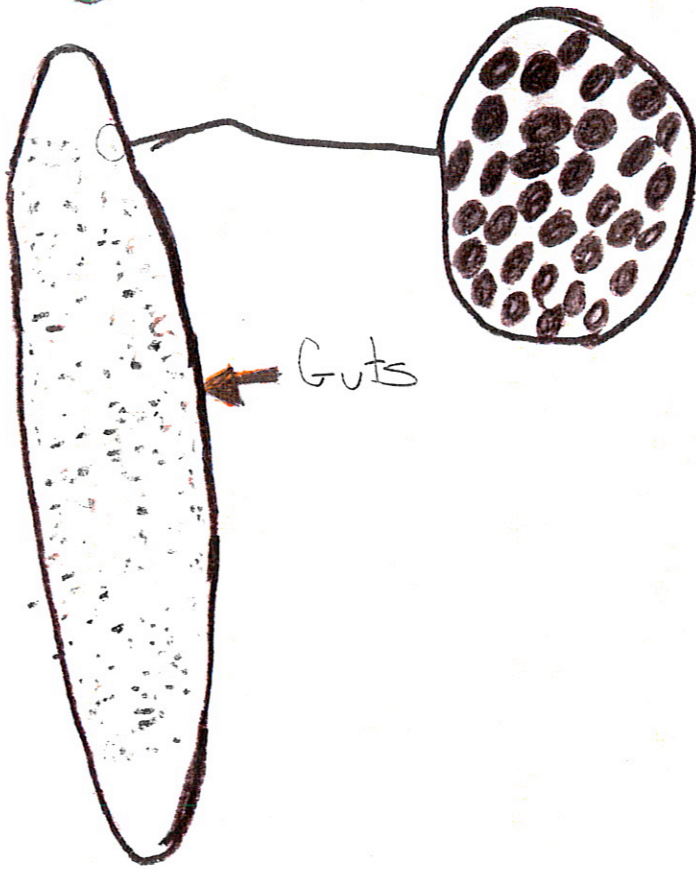


Oak Leaf

Quercus rubra



Euglena



lucent

flagellates
(astigophora)

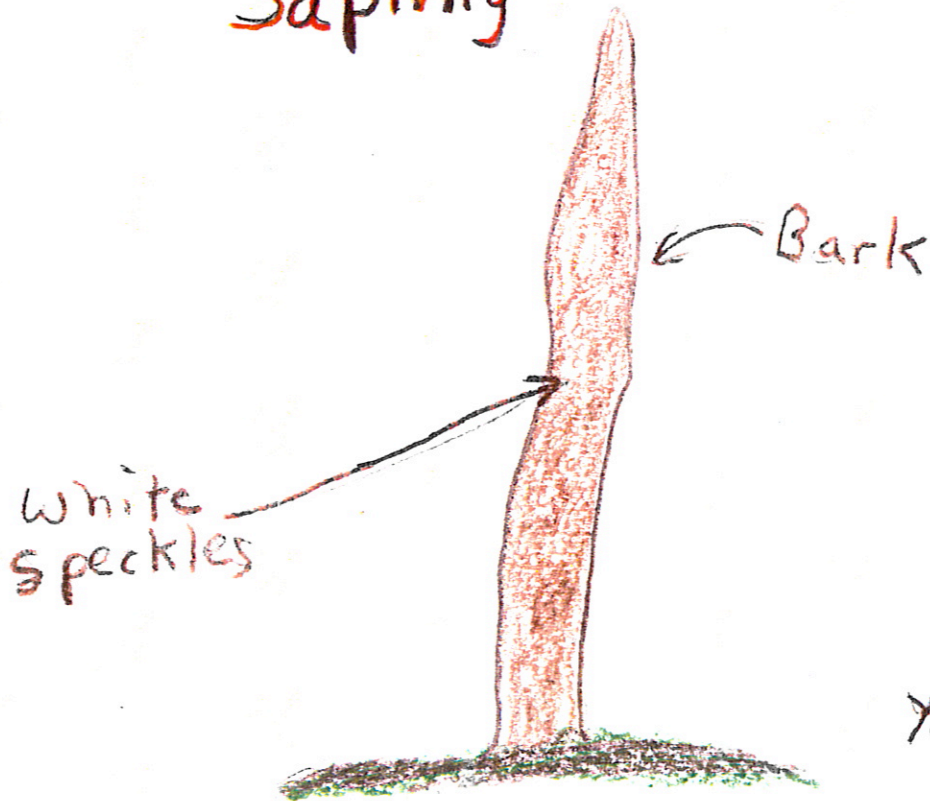
Euglena was in the water in
our plot.

Yellow

Birch

Sapling

Betula alleghaniensis



Yellow Birch

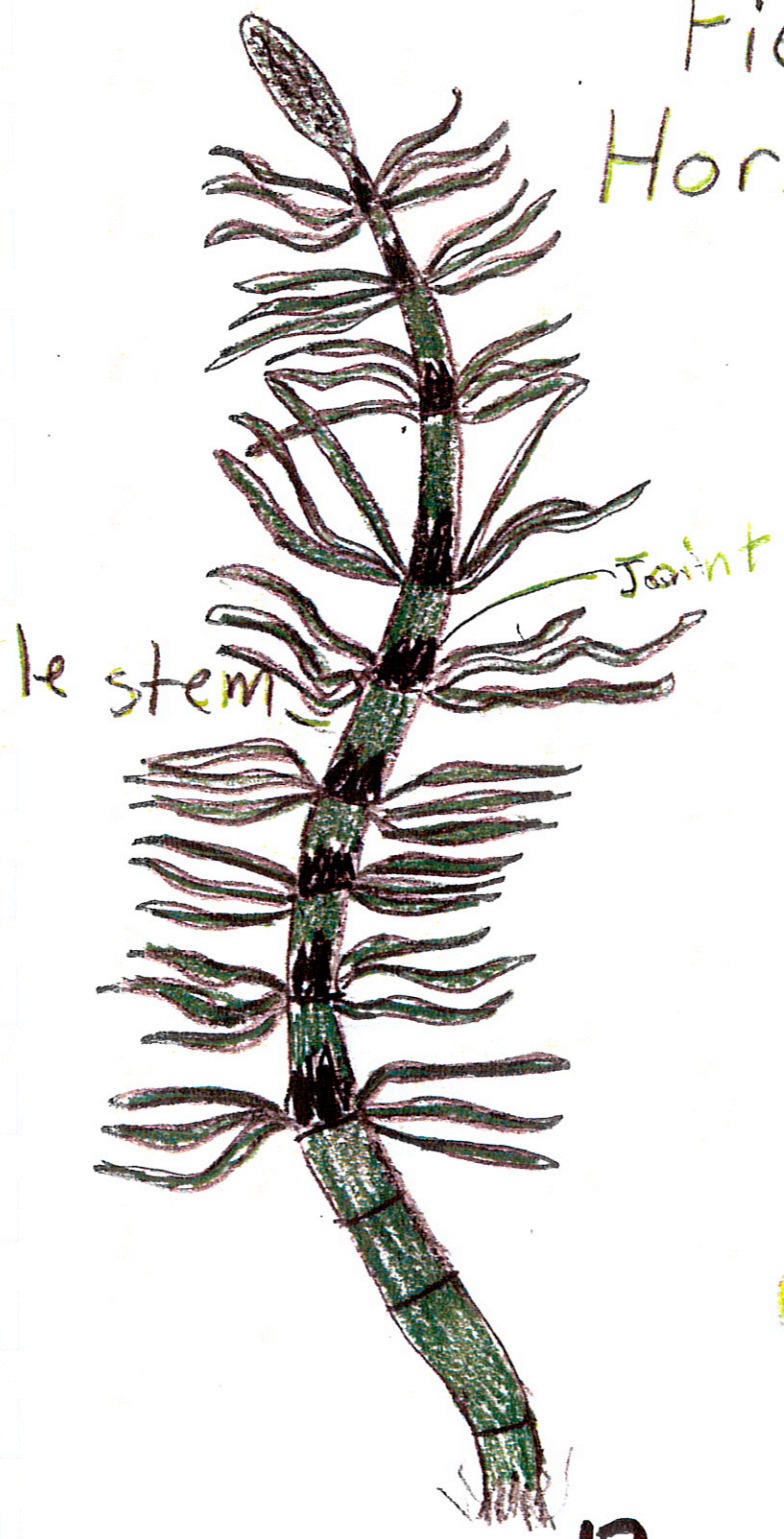
THIS SAPLING WAS IN SECTOR 4.

6 1/2 CM. LENGTH 2 CM. WIDTH

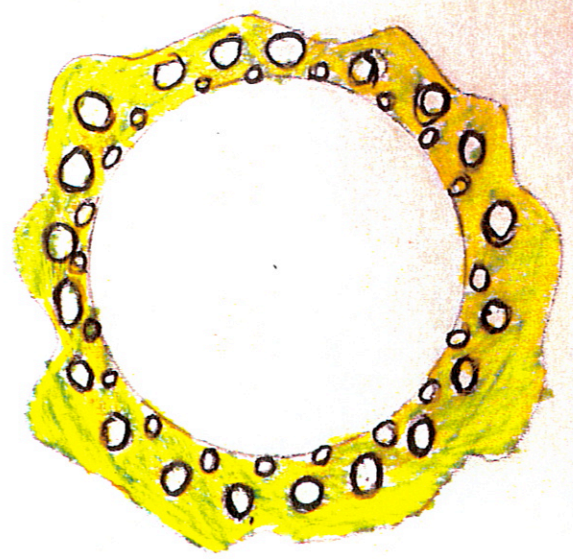
THIS TREE'S LEAVES CHANGE FROM ORANGE, YELLOW, BROWN AND RED

Yucca
glauca

Field
Horsetail



stem x-section



About the Authors

Eli and Audrey are in fifth grade, Marie is in sixth, they are all 11 years old. Eli's favorite sport is football. He has four animals, two dogs and two cats. Eli has three siblings, an older sister and two brothers, one is young and the other one is older. Audrey's favorite sport is basket ball and soccer. She has two animals which are two cats. Audrey has three siblings, one older sister, one older brother, and one younger brother. Marie's favorite sport is soccer and tether ball. She has sixteen animals, five bunnies, two cats, one bird, seven hamsters, and one rat. Marie has two siblings, one older sister and one older brother. Liza [who is a fifth grader in David class] and Marie have a laboratory where they dissect and examine dead animals like bugs, birds, bird nests, and bones.

