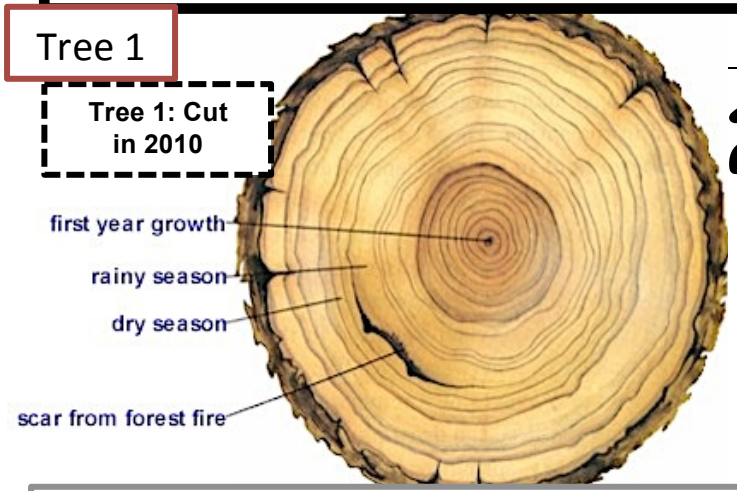
❀❀PLANTS 1 2❀19

Science 8 January - February 2019

Mrs. Plyter www.plyter.com/science

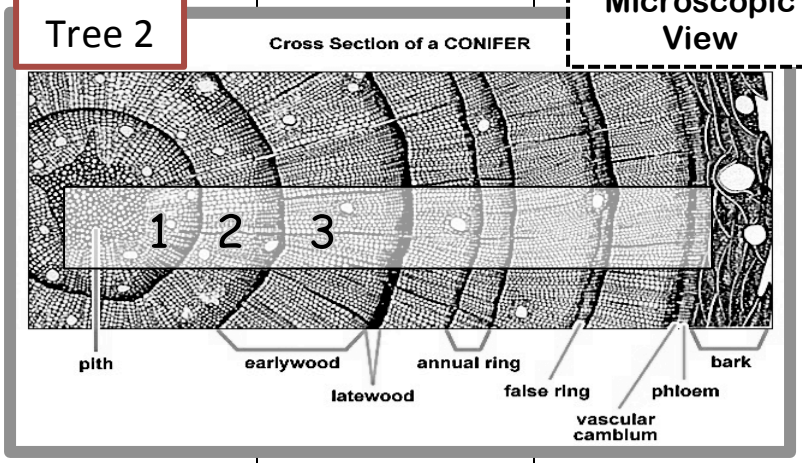
Name Period

Tree 1



1. Use a pencil to mark each growth ring (year of growth) on **Tree 1** ↖.
2. The tree was cut at age _____ years, so started growing in the year _____
3. The fire happened in the year _____.

Tree 2

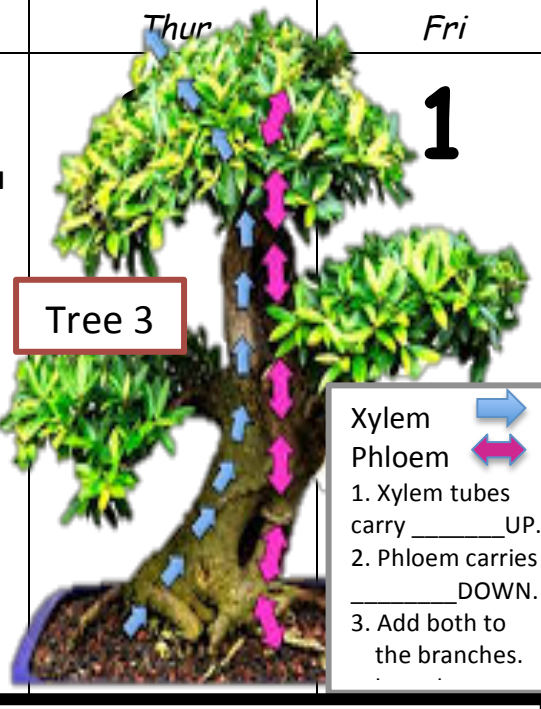


Microscopic View

1. ↑On **Tree 2**, continue to number each year's growth ring. The tree was _____ years old.
2. Year _____ was its best growing season. Year _____was its worst growing season.

Tue	*Wed*	*Thur*	*Fri*
29	**Leaves:** Draw an open Leaf **Stoma** with **Guard Cells** here ↓. **Label each.**		**1**
Stems Lab			

Tree 3



Xylem ➡
Phloem ↔
1. Xylem tubes carry _____UP.
2. Phloem carries _____DOWN.
3. Add both to the branches.

Online Assignments:

Have Screen Checked! Or take a screen shot…or photo.

Science Home Page: www.plyter.com/science

→**Life**→ **Plants**→

→NPS Dendrochronology _____

→Tree Rings Simulation Dendrochronology

1) At the bottom →Movie: Ice Cores…. _____

2) Tree Ring Simulation, Level 3 or Greater (Both Temperature & Moisture) _____

_____

Points:

Objective & Calendar

Online

Stems Lab

Dendro-chronology Project(s)

Quizzes

Mon _____

Tue _____

Wed _____

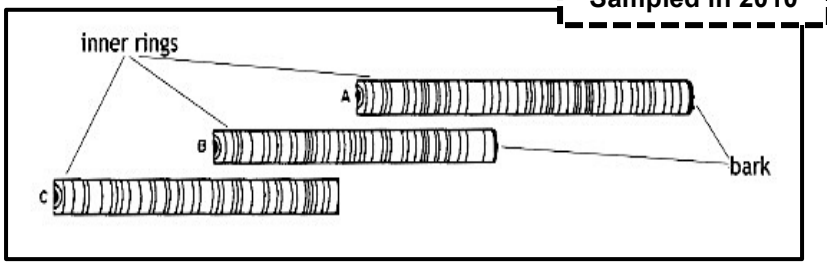
Thu _____

Fri _____

Total_____

BJECTIVE:

Trees A, B & C.



1. ↑ Of the three trees, **A, B & C**, which lived most recently? _____

2. **↑Starting at left, use a pencil to mark each 10 years for Tree C.** On **a 10**, move directly up ↑ and mark **Tree B**.

3. Continue counting from your mark on Tree B. On a 10, move directly up ↑and mark **Tree A**. Continue counting and marking.

4. Determine the year that **Tree C** started growing. _____

Animals

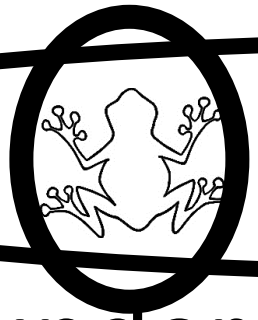
Growth rings show times of rapid growth. In trees, this is usually each spring, and evidence of age in years.

In animals, rapid growth "rings" show cycles of growth and rest on on shells, scales, & hooves. Rings may or may not match years of life, but they DO match cycles of growth.

1. Count this tortoise's growth rings. → by counting the rings in one scute. This tortoise has had _____ molts or growth cycles (maybe years).

2. Count the growth rings on the single → scute (scale) in this drawing. _____

3. Count the growth rings on one of the speciman (real) shells in the classroom. Shell # ____ had _____ growth cycles.



BJECTIVE:

To better understand that body **cells** are organized onto **tissues, organs and systems** that work together for the organism by observing, drawing and organizing data about Plants:

1) **Leaves** for photosynthesis:
2) **Stems** for support of leaves and transportation (circulation) of materials.