Lab: Monocots and Dicots

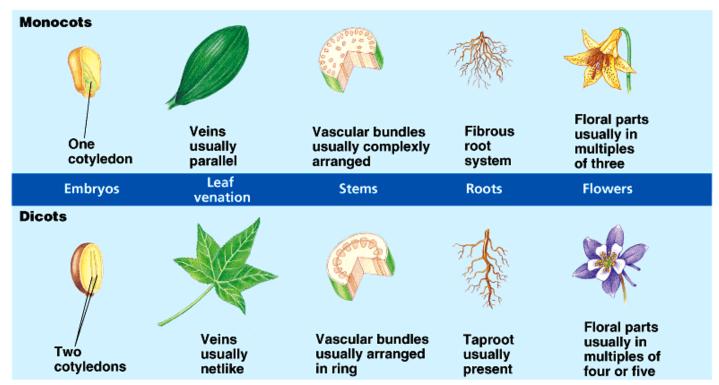
Objectives: to use specimens to differentiate between monocots and dicots

Prelab: Define the following:

Monocot				
Dicot				

Recall that Angiosperms (flowering plants) can be divided into two Classes: Monocots and Dicots.

Numerous characteristics separate the two classes, including the following:



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Note: conifers are neither monocot nor dicot, they are simply conifers.

## **Procedure:**

You will need to make biological drawings of various monocot and dicot roots, stems and leaves. Please see data sheets to view the 6 micrographs.

Please show your workings when calculating total magnification, field of view and specimen size.

All biological drawings should follow the rules given in class and please complete in pencil. Don't forget titles!

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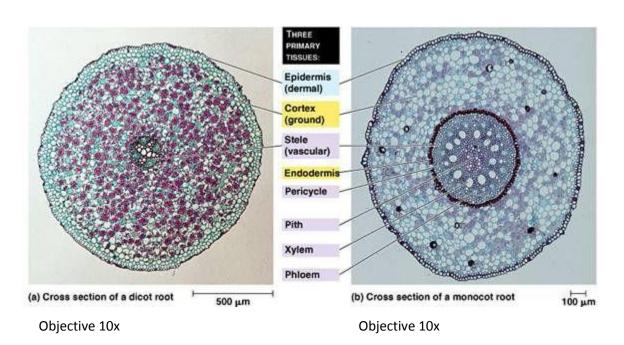
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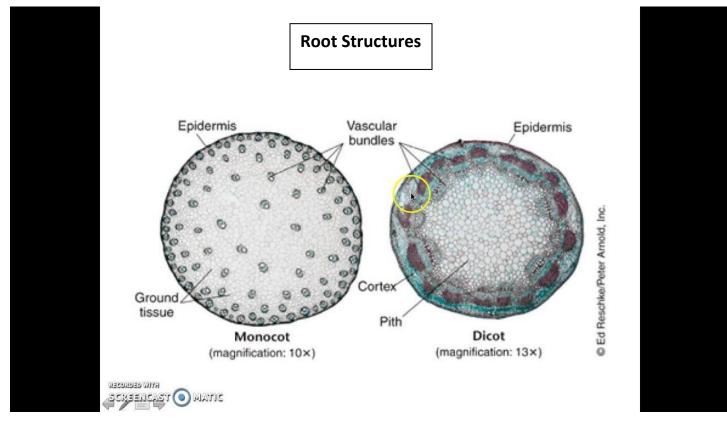
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Microscope where micrographs were taken - Low Mag FOV = 2.5 mm

Low objective = 4x

Eyepiece= 10x





## Leaf Structure Illustrations



## Objective lens for both is 40X



Dicot Leaf, Syringa, Cross Section



Monocot Leaf, Zea, Cross Section

## Monocot Leaf Structure

