

## The Formidable TREES



# Evergreen (Conifers...have cones) &

**Deciduous (have flowers)** 

## Two general groups or trees are:

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Flowering trees (Angiosperms)
Maple tree
Oak tree
Birch tree
Apple tree
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Cone bearing trees that do not have true flowers (Gymnosperms...evergreens or conifers)

Fir tree

Spruce tree

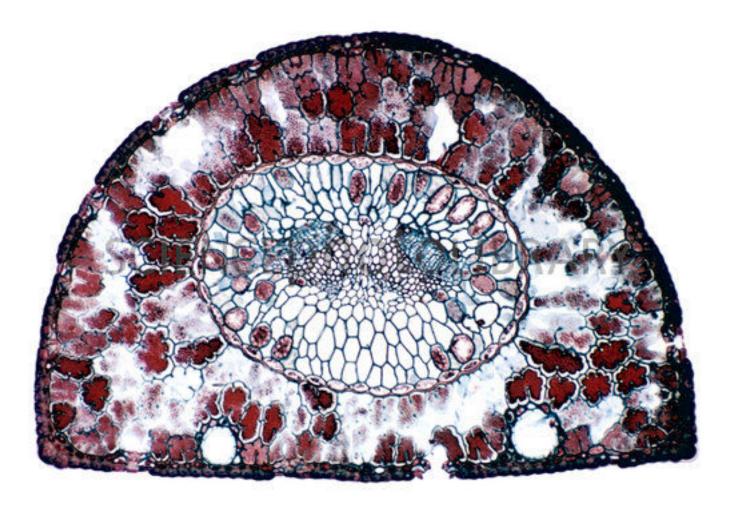
Pine tree

Evergreen trees have skinny leaves called needles. Evergreen trees do not lose their leaves in the fall.

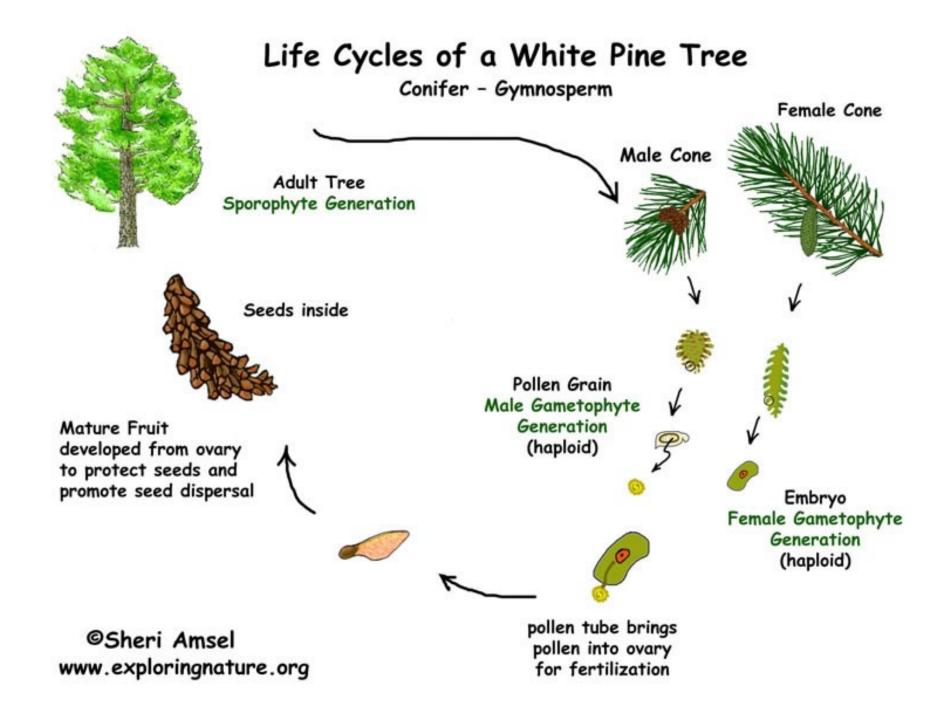




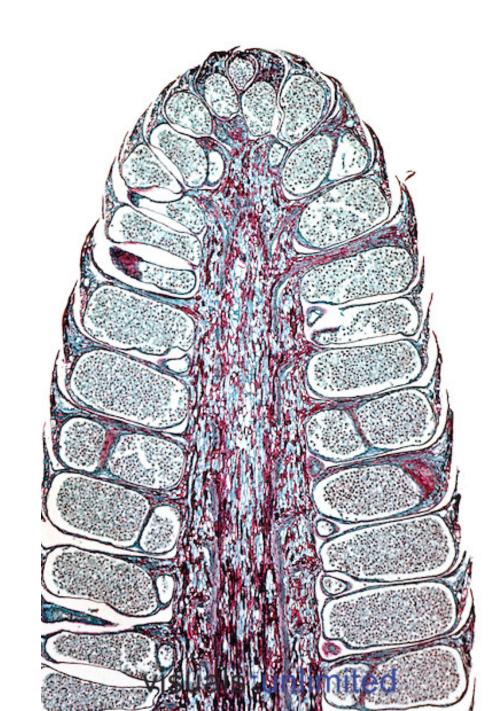
#### Cross section of a *Pinus resinosa* needle



The outer layer of cells is called the epidermis (epi means around or outer and dermis means skin) It is thick and contains a waterproof substance. The inner oval area contains vessel cells that transport fluid to and from the needle.



longitudinal section of male cone with numerous pollen sacs



#### Female Pine cone



### Maple trees are deciduous because the loose their leaves in the fall

