



**Hardwoods**



**Softwoods**



## Two Categories of Trees

Two Major Differences

# Hardwoods

- Angiosperm
- Reproduce by Flowers
- Broad leaves



Image: [Alvesgaspar, CC BY-SA 3.0](#)



Image: [Public Domain](#)

## Softwoods

- Gymnosperm
- Unenclosed "Naked" Seeds



**Wood As  
Hygroscopic  
Material**



Magnified Cross-Section of  
Laurel Oak, Showing the  
Vessels and Annual Rings

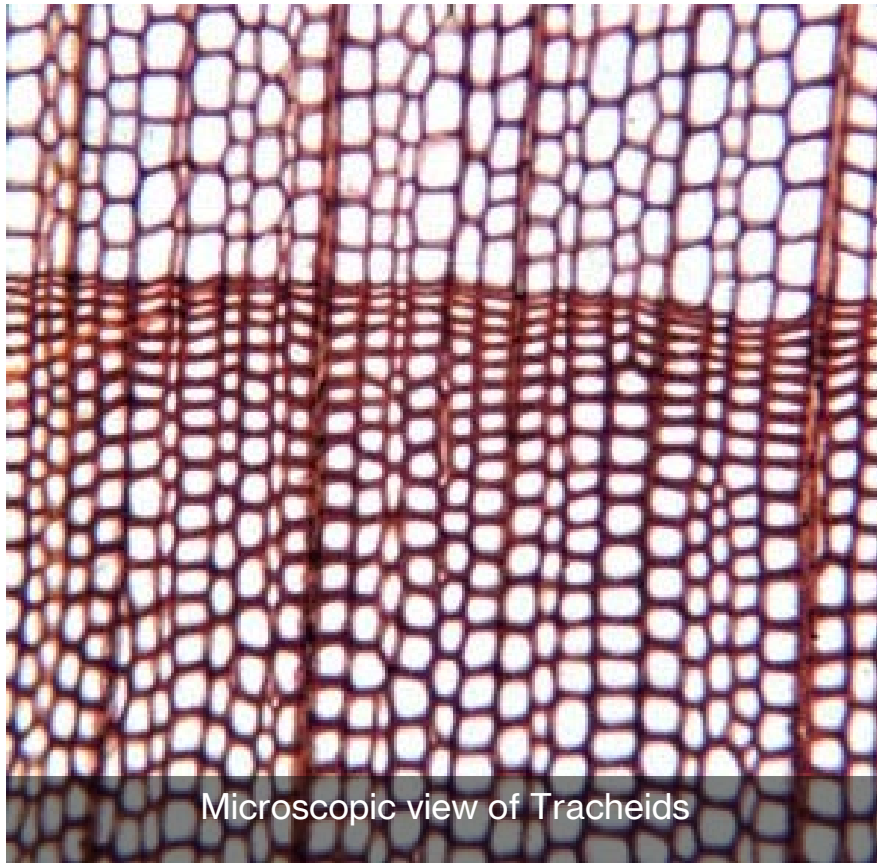


Laurel Oak Wood

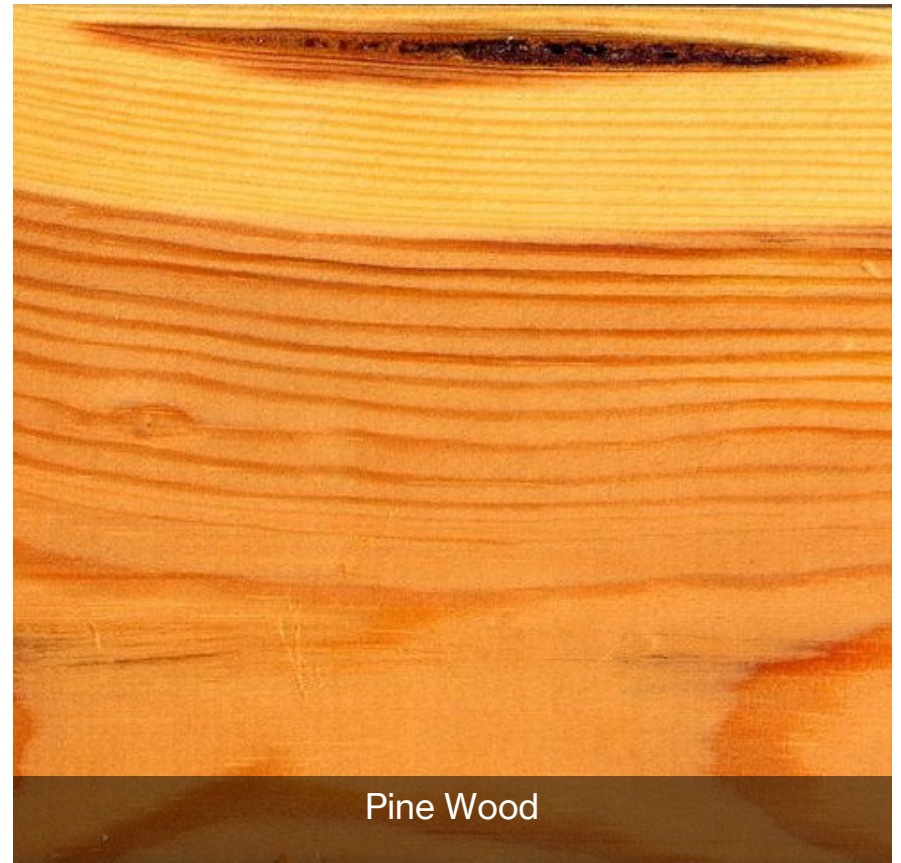
Images: [The Wood Database](#)

# Porous Hardwoods

Vessel Elements



Microscopic view of Tracheids



Pine Wood

Images: [BeenTree, CC BY-SA 4.0](#)

# Non-Porous Softwoods

Does Not Contain Vessel Elements



**Thank You**

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