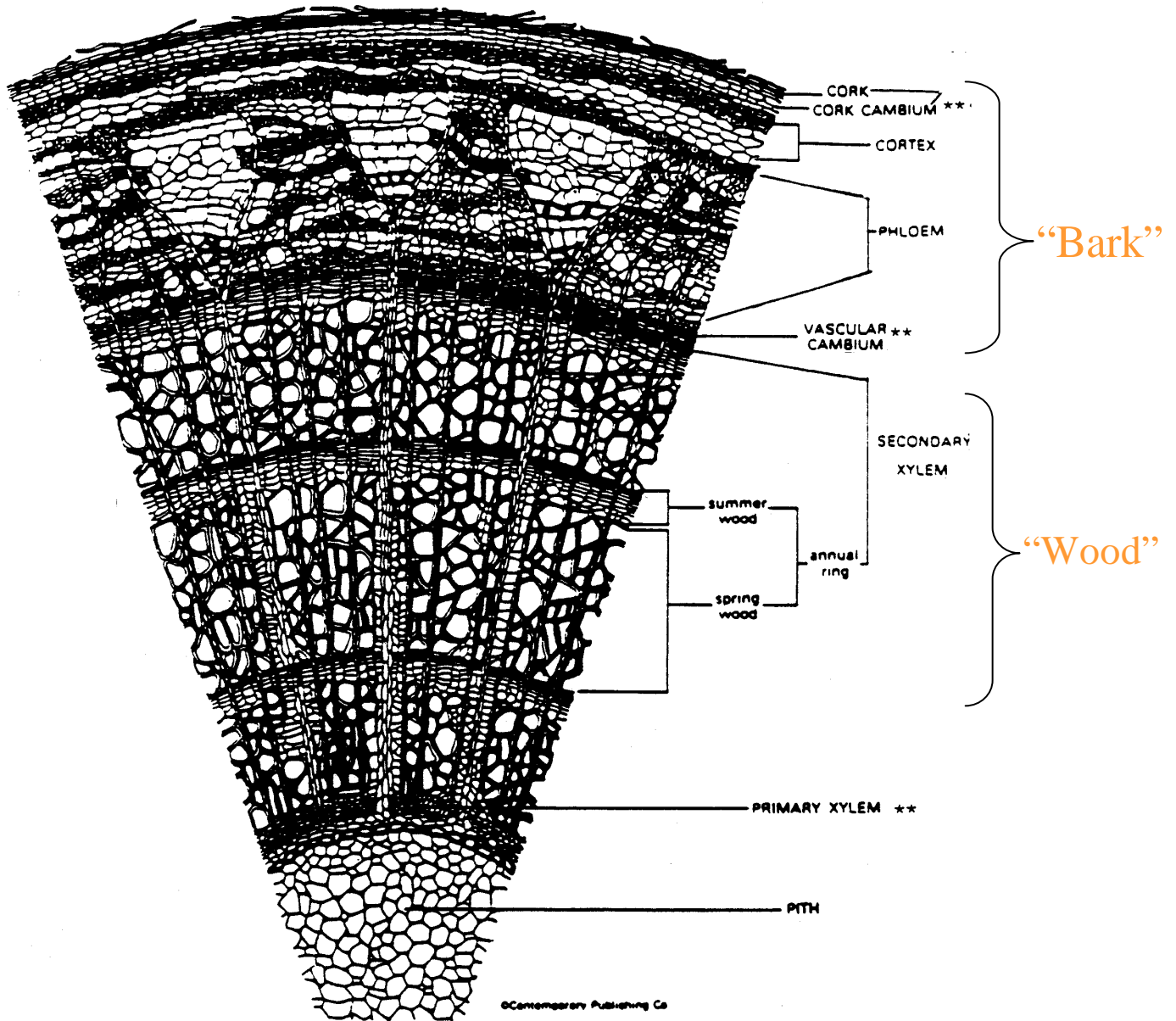


About Trees

- Trees are vascular plants
 - Made of vascular tissue
 - Xylem transports water
 - Phloem transports food
 - Types are
 - Ferns (most primitive)
 - Gymnosperms (conifers)
 - Angiosperms (flowering plants)
- Trees have primary (length) and secondary (girth) growth
 - Pith = storage
 - Secondary xylem = wood
 - Bark (cambium) = where growth happens
- Three key parts – root, stem, leaves
 - Root provides structure and collects water and nutrients
 - Stem provides support (and wood)
 - Leaves perform photosynthesis to make food
 - Plants produce virtually all oxygen in our environment
- Auxin, a hormone controls the shape
 - Auxin causes cell elongation and inhibits lateral branch growth
 - Moves away from light (so plants turn towards light)
 - Concentrates in the tips of plants so limbs near ends are smaller

The parts of wood



Roots

