Heartwood

Xylem

Roots

Cambium

Phloem

The HEARTWOOD provides strength for the the tree.
***ACTION*: Put your arms up and chant "I support; I support"**

The XYLEM transports water to all parts of the tree
***ACTION*: Raise your joined hands up and down and chant "Gurgle, slurp. Gurgle, slurp"**

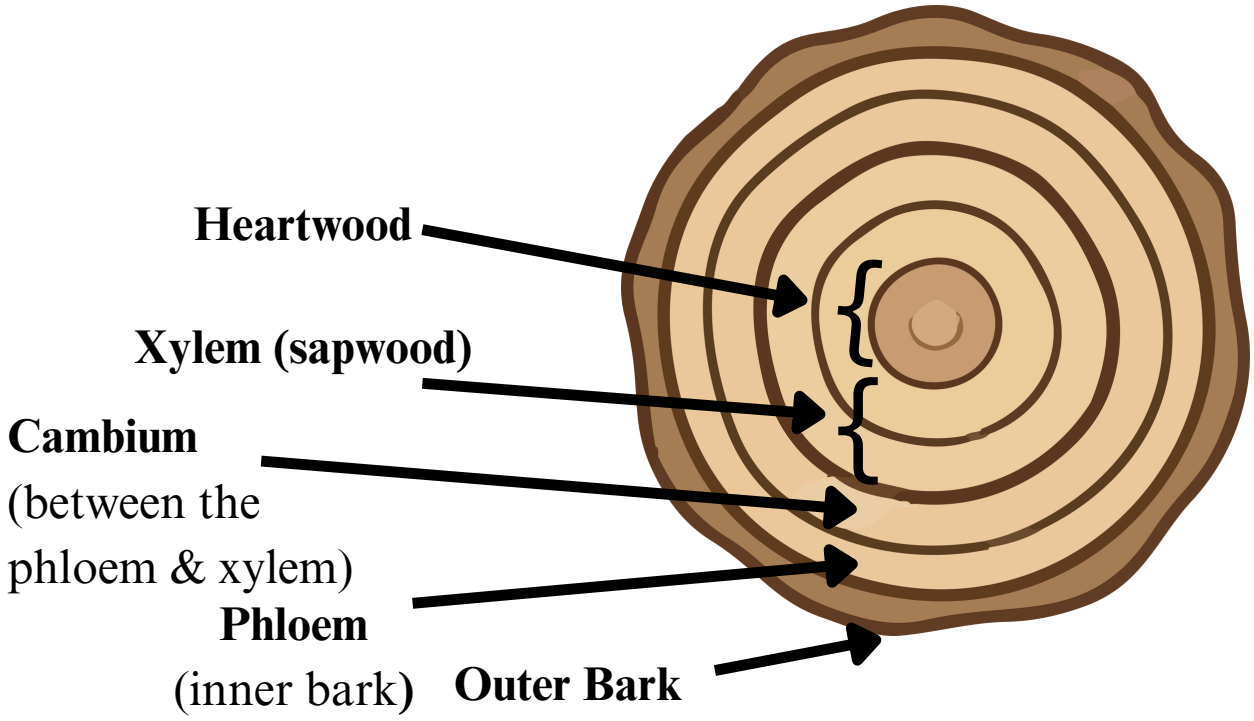
ROOTS absorb water and nutrients
***ACTION*: Lay down on the ground, Pretend to slurp up water as if you were the roots drinking water**

The CAMBIUM creates new layers to help the tree grow. *ACTION*: circle around the tree and chant: "New phloem, new xylem, new cambium"

The PHLOEM transports sap from the leaves to the rest of the tree.
***ACTION*: Join hands in a circle around the tree, reach above your head, grab food from the leaves, and squat down to release food. Chant: “Food to the tree”**

Bark

Leaves

The BARK protects the tree from injury. *Action*: lock arms with eachother around the tree. Look tough while marching in place
Chant: “We are bark, please keep out”

The leaves make food for the tree to grow.
***ACTION*: Stand around the bark, reach high into the sky, and flutter your hands back and forth. Chant: "We make food, we make food"**