



LINDEN

Linden Roots Activity Sheet TEACHER'S COPY



1. Tree roots help anchor a tree to the ground.

What is another way the roots of the tree help the ground around it?

Tree roots help with preventing erosion and improving water quality.

2. Many animals lived in Linden's branches.

What kinds of things live in a tree's roots?

Fungi, bacteria and other microorganisms are other things that live in a tree's roots.

3. Tree roots help a tree absorb what?

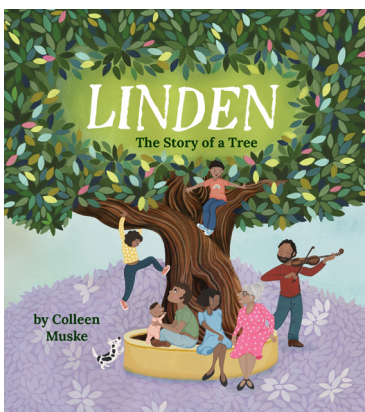
Tree roots help absorb water and nutrients.

4. Tree roots store excess carbohydrates. What do carbohydrates do for a tree?

Carbohydrates help with tree growth, overall maintenance, healing wounds, fighting diseases, and fighting pests.

5. Did you know trees use a fungal network called Mycelium to talk to other trees? What do you think they communicate?

Trees use the fungal network to exchange water and nutrients, help take care of seedlings, and warn about pests and other threats.





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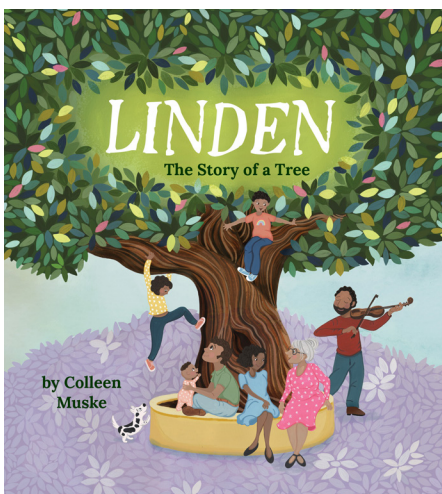
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Linden Tree Facts (TEACHER'S SHEET)

- The American Linden tree is a **deciduous** tree, shedding its leaves every fall. Linden trees are excellent shade trees.
- They have **heart shaped** leaves that are edible and can be a healthy, sustainable replacement for lettuce or spinach.
- The large, sweet-smelling flowers are also **edible**, and can be used to make tea.
- **Honey bees** love the Linden tree's flowers, and honey produced from the flowers is considered to be the best honey in the world.
- Linden flowers eventually turn into clusters of pea sized nuts. Oil from the nuts can be used for **cooking**.
- The inner **bark** and wood are also very useful. Indigenous people used the inner bark of Linden trees for making ropes, cords, mats and nets.
- The wood from a Linden tree is lightweight, soft and strong. It is used in carving, **furniture making**, and tongue depressors.



Sources

The University of Kentucky: <https://www.uky.edu/hort/American-Linden>

North Dakota State University: <https://www.ag.ndsu.edu/trees/handbook/th-3-123.pdf>

The Missouri Botanical Garden: <http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderDetails.aspx?kempercode=a917>

Linden: the Story of a Tree
by Colleen Muske • colleenmuske.com

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Linden Tree Facts

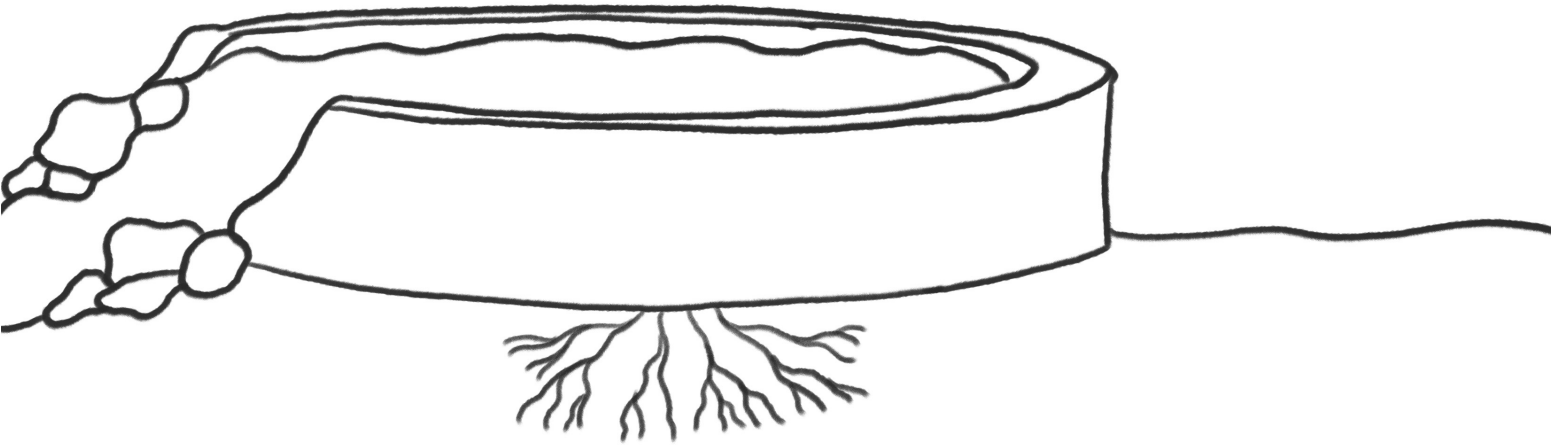
CAN YOU FIND THE MISSING WORDS?

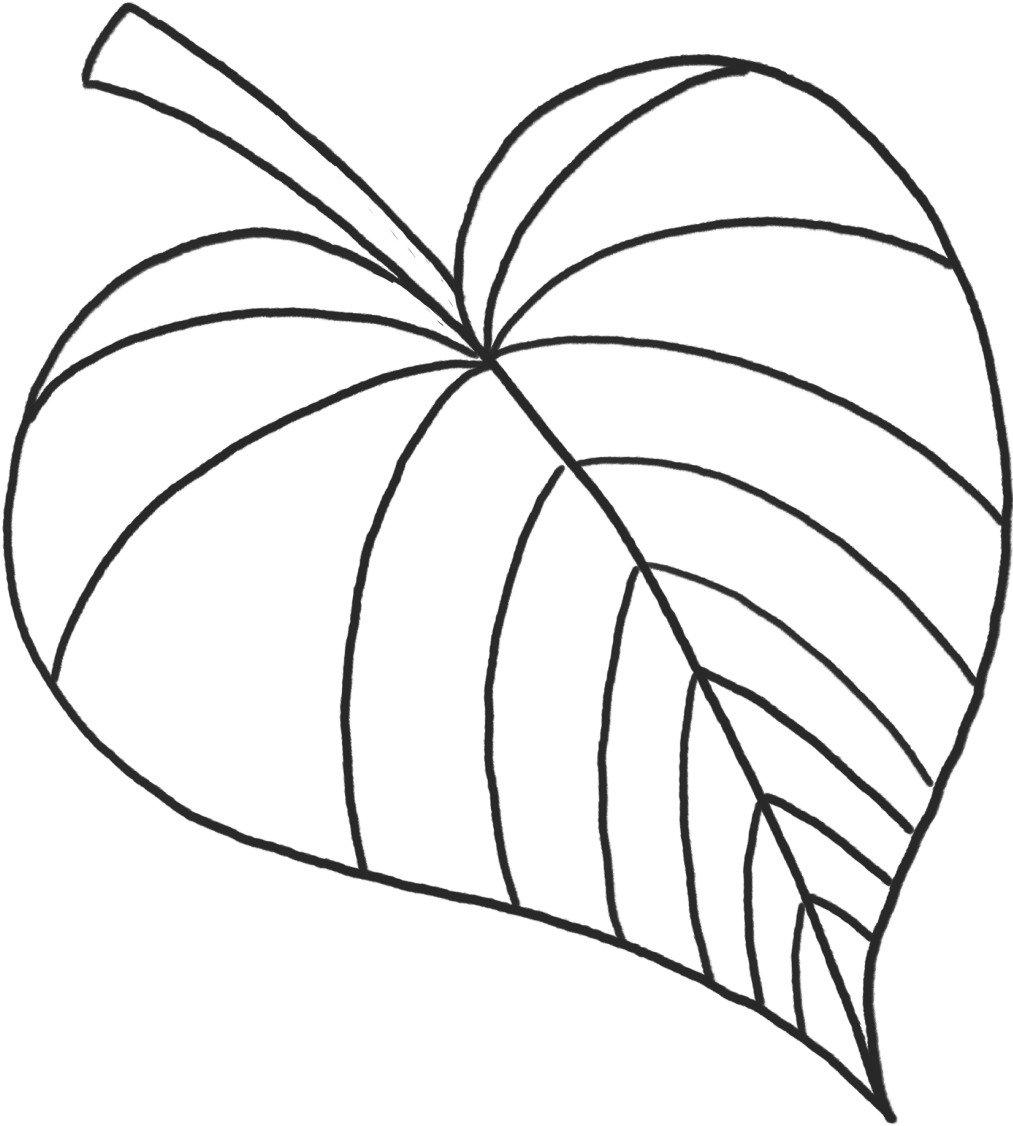
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tea, edible, cooking,
deciduous, bark,
furniture making
Honey bees,
heart shaped







COLORING SHEET

Name

