

Tree Unit Review Sheet

Use your "Tree Notes" booklet to help you study also.

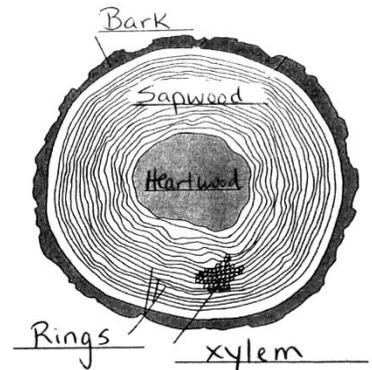


1. What is a deciduous tree? (loses its leaves in the fall)
2. What is a coniferous tree? (has needles and cones and stays green all year).
Be able to draw a simple one of each.
3. Know 2 functions of the roots (to anchor the tree, to absorb water + minerals, to store food)
4. Know the function of each part of the trunk and be able to label a diagram (also see matching definitions)

TERM	DEFINITION
Sapwood	Soft wood that is around the heartwood.
Heartwood	Hard wood in the centre of the tree.
Xylem	Tiny tubes that carry the water and minerals up to the leaves.
Phloem	Larger tubes carrying the sap (food) from the leaves down to the roots.
Cambium Layer	Shows new growth for the tree with its rings.
Bark	Outer shell that protects the tree (from insects, weather, disease)

Label the parts of the trunk.

Bark
Rings
Heartwood
Sapwood
Xylem



5. Know 2 functions of the bark (protect the tree from insects, weather, disease, hold the water in, protect the inner layers).
6. Be able to identify and draw different types of leaves (see Tree Notes)

Every Part Has a Purpose—Leaves
Carefully draw the correct leaves in the boxes below.

Deciduous Leaves

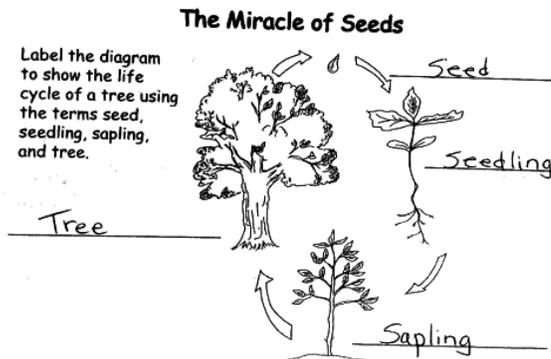
Simple 	Compound 	
Opposite 	Alternate 	
Saw Tooth 	Smooth 	Wavy
Lobes 	No Lobes 	
Feather Veins 	Finger Veins 	

7. What 3 things does the tree need to make food for the tree (photosynthesis)? (sun light, carbon dioxide, chlorophyll)

8. Why do leaves change colour in the fall? (The temperature gets cooler, the days are shorter so there is less sunlight, there is less water available – so the leaves stop making chlorophyll and we see the other colours in the leaves like red, yellow and orange.)

9. Be able to label the diagram of the life cycle of a tree. (see Tree Notes)

9. Label the diagram of the life cycle of a tree.



10. Name 3 types of seeds and how they travel (1. Round seeds roll or get carried away: Acorn. 2. Sticky seeds are carried away by people and animals: bur. 3. Light seeds can be blown away in the wind: Maple Key.)

Draw pictures and give a short explanation to explain how seeds get planted. Your pictures need to show God's amazing design for the seed which helps it to travel.

<p>Acorn</p>	<p>Bur</p>	<p>Maple Key</p>
<p>Round seeds</p> <p>fall, roll or get carried away.</p>	<p>Sticky seeds</p> <p>are carried by people and animals</p>	<p>Light seeds</p> <p>can be blown away in the wind.</p>

11. Know the gifts of the tree for the earth, animals and people:

Name 2 things the earth receives from the tree: (air – oxygen, soil)

Name 3 things that animals use a tree for: (home, food, protection)

Name 5 things that people receive or make from a tree : (fruit, furniture, paper, gum, hockey stick, nail polish, egg cartons, books, toothpaste.....see booklet for more ideas)

12. Know 3 ways you can take care of trees (conserve). (Don't waste paper or paper towels, plant trees on your property, don't pull branches or leaves off of growing trees etc..)