

ABC's

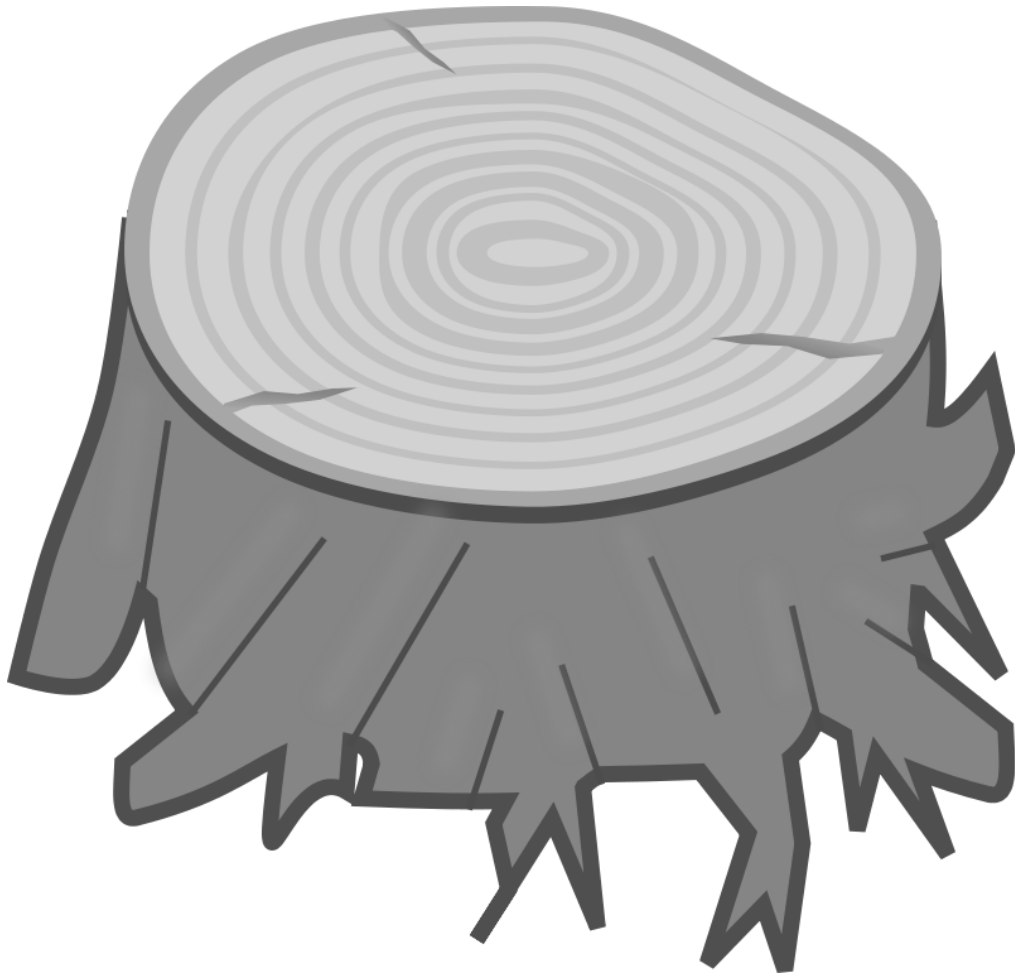
of

Forestry



Annual growth **rings**

One annual ring usually represents one year of growth.



Count the rings on the stump. How old was the tree when it was cut?

Burn boss

Burn bosses are individuals that plan, organize, and lead a prescribed burn.

These types of fires are used to manage and restore forests.



Clearcut

A method that removes all trees within a given area.

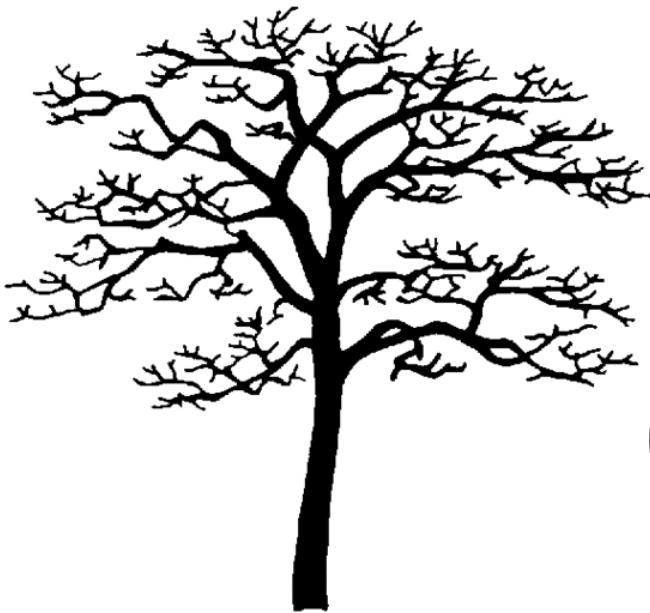
- **CHAINSAW**
- **CLEARCUT**
- **HARVEST**
- **LOGS**
- **THINNING**
- **TIMBER**
- **TREE**

W	O	L	W	M	P	J	P	D	X	U	F	S	P	R
T	A	L	G	U	J	J	Q	Q	A	P	X	N	R	E
J	F	S	L	L	O	P	Y	S	J	W	E	Q	B	B
F	P	E	N	A	G	R	B	F	L	Q	C	Z	K	M
M	D	Q	C	I	G	E	Z	H	Z	S	E	S	N	I
A	C	T	T	H	A	C	W	Y	H	D	S	P	E	T
O	D	R	T	P	V	H	Q	U	K	D	K	Y	B	P
T	P	E	A	H	O	E	C	T	B	Q	R	E	M	Q
E	H	E	G	A	T	S	F	N	Z	G	E	F	W	K
F	Y	I	L	Q	H	Y	A	O	R	Y	Y	W	W	L
U	R	O	N	C	X	C	L	E	A	R	C	U	T	M
F	G	Y	M	N	T	S	E	V	R	A	H	W	M	K
S	Q	N	N	L	I	Q	Y	W	Z	Y	M	W	H	P
D	Y	J	U	D	D	N	S	G	Q	Y	E	T	F	A
P	C	P	J	A	B	S	G	G	I	V	F	C	R	B

**Find the tree harvesting methods
in the word search!**

Deciduous

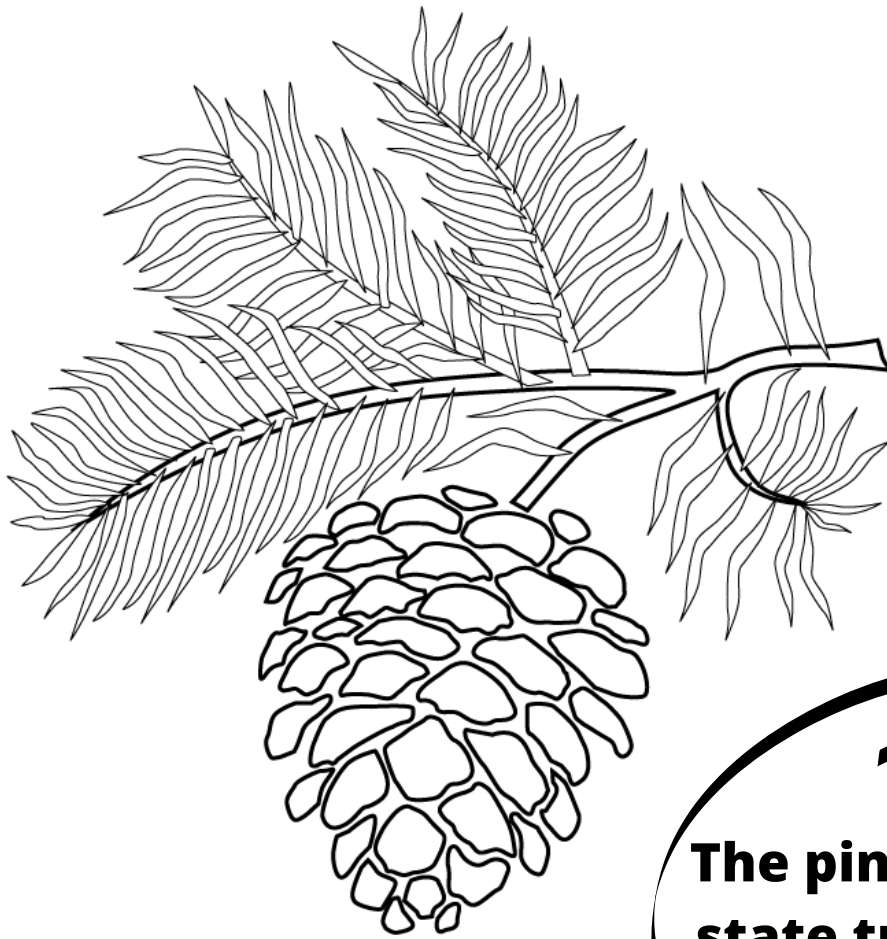
A group of trees that lose all of their leaves every year.



**The Flowering
Dogwood is the state
flower of North
Carolina!**

Evergreen

A group of trees that do not lose all of their leaves every year.



**The pine tree is the
state tree of North
Carolina!**

Forester

An individual trained in forestry and forest management.

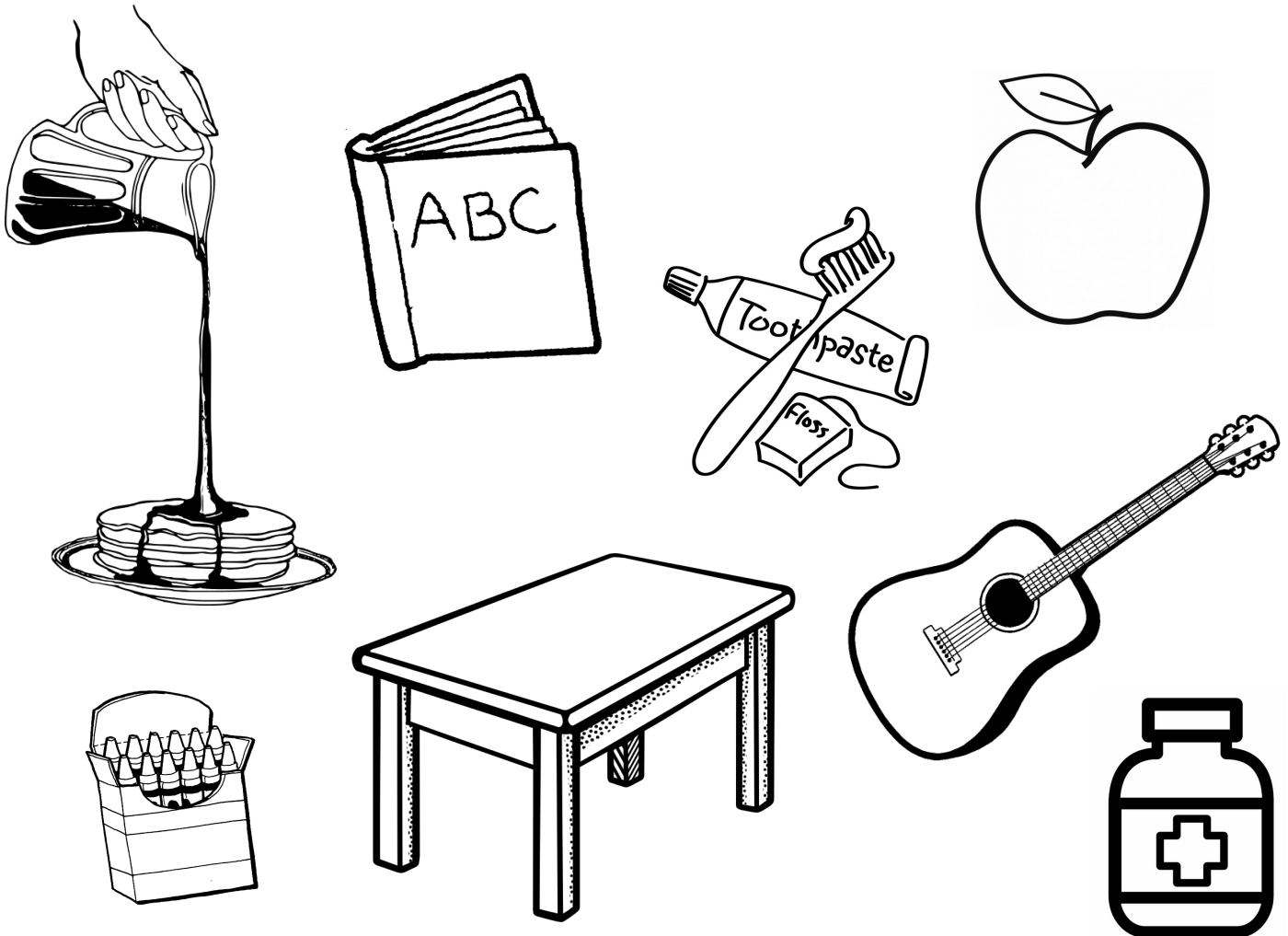


Create a phrase for this forester to remind you to take care of the trees!



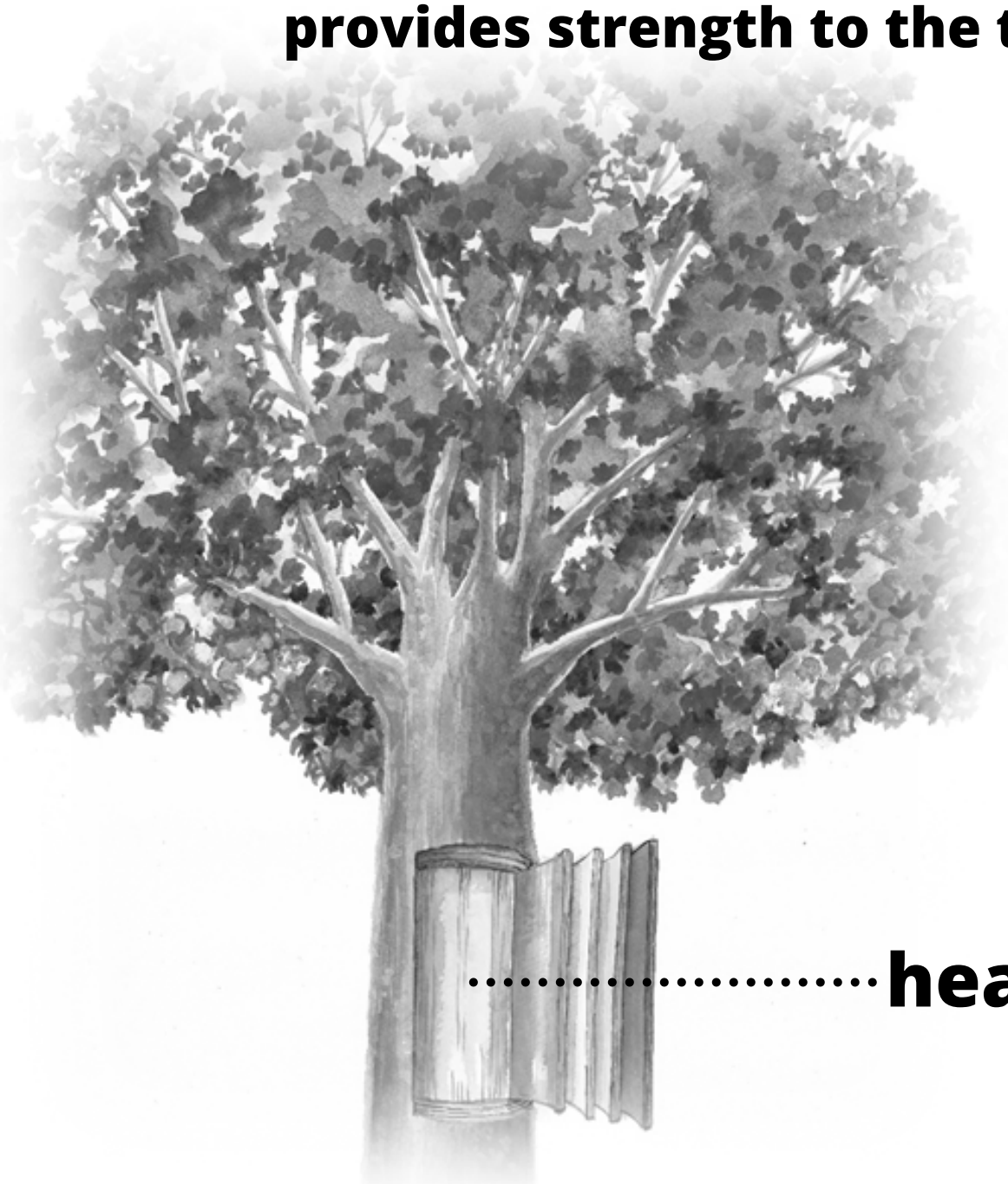
Goods from the woods

There are more than 5,000 wood and paper products that we use and enjoy each day. Items like ice cream, toothpaste, toilet paper, and furniture all have one thing in common... trees!

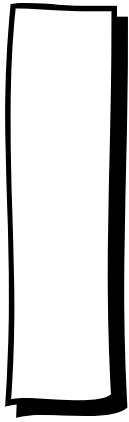


Hearthwood

The central core of a tree, which is made up of dense, dead wood and provides strength to the tree.



.....**heartwood**



Increment borer

**A hollow drill-like tool with a screw bit
used to remove core samples from
trees.**

.1 .2 .3 .4 .5 .6 .7 .8 .9
.33 .32 .31 .30 .29 .15 .14 .13 .12 .11 .10
.28
.16
.27
.17
.26
.18
.25
.19
.20
.24 .21
.23.22

Japanese honeysuckle

This fast growing vine is an invasive species. Honeysuckle can cover the tree canopy and block out sunlight.

EKNE _____

ESEY _____

HLOE _____

HSY _____

ECLU _____

UOY _____



Unscramble the letters in the word honeysuckle to discover new words.

knee, hole, clue, eyes, shy, you

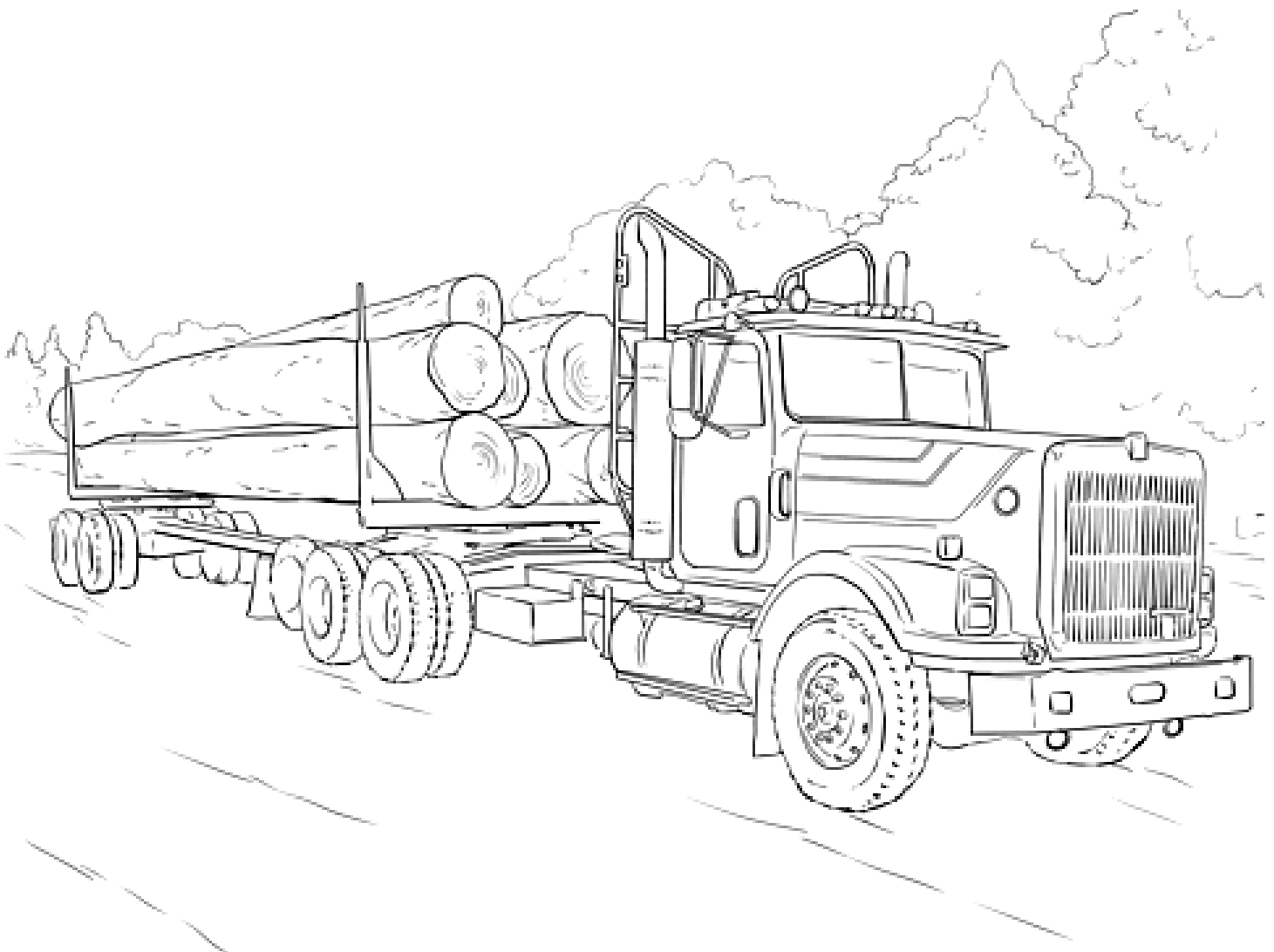
Knuckleboom loader

A knuckleboom is a machine used to handle and load logs.



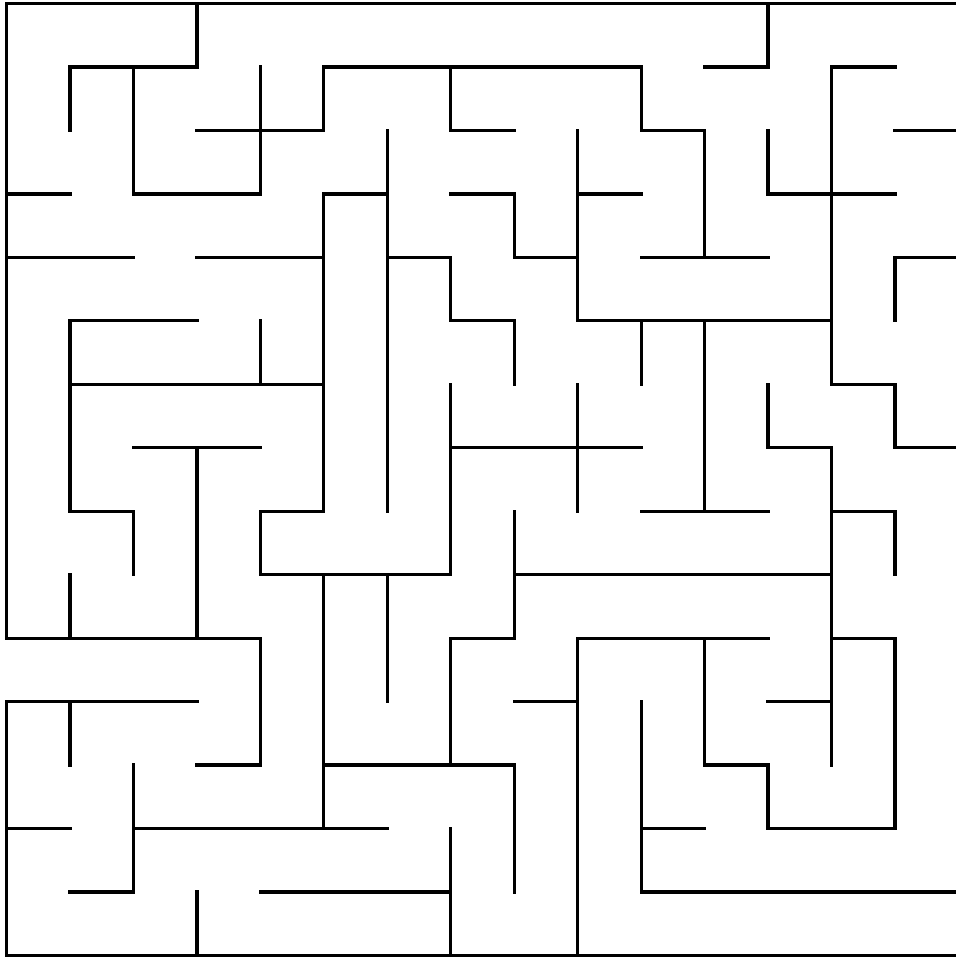
Logger

An individual who works for a company harvesting trees to produce wood products.



M**anagement**

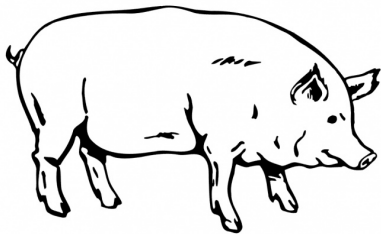
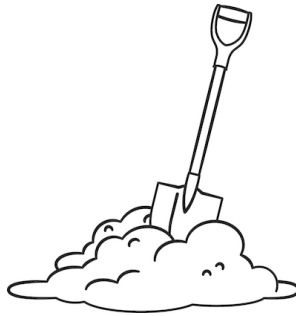
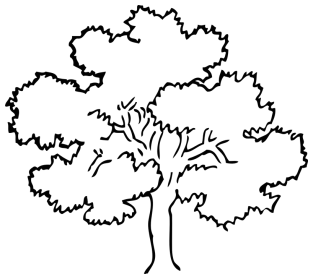
Foresters care and manage forests so that trees stay healthy and productive.



Help the forester walk the forest to see if his trees are growing strong.

Natural resources

Raw materials from the Earth used by people



food

planting crops

wood

fuel

Match the natural resource to the products we consume.

Outer bark

The tough exterior that protects the tree from insects, animals, other plants, disease, and fire.



Hickory



White oak



White birch

Paper

The branches of large trees and the trunks of smaller trees are used to make thousands of paper products, including writing paper, tissues, and boxes.

- **BOOK**
- **CARD**
- **CARDBOARD**
- **MAGAZINE**
- **NEWSPAPER**
- **NOTEBOOK**
- **TISSUE**

A	M	F	E	S	E	E	Q	X	L	F	A	B	T	H
C	O	A	K	U	K	J	M	M	F	U	M	S	F	P
W	K	O	G	J	S	T	Z	D	A	X	F	H	V	M
N	O	I	N	A	Q	S	N	L	I	W	Z	X	F	L
B	T	X	C	K	Z	F	I	D	N	N	B	J	P	C
G	P	L	I	C	E	I	I	T	K	Y	I	H	K	L
R	B	I	W	T	I	M	N	O	W	X	B	Y	H	I
T	L	U	J	X	G	S	O	E	Z	D	U	N	G	X
F	Y	I	C	P	K	P	X	D	C	Y	M	O	O	U
Z	Z	K	C	O	K	P	S	R	N	M	Z	T	B	A
D	R	A	O	B	D	R	A	C	P	H	B	E	L	C
D	R	V	C	R	R	X	W	S	O	C	N	B	J	A
D	V	P	N	E	W	S	P	A	P	E	R	O	I	B
D	V	F	F	K	T	S	E	O	U	B	W	O	Y	G
T	S	R	B	H	H	P	F	I	E	O	W	K	P	E

Find the paper products in the word search!

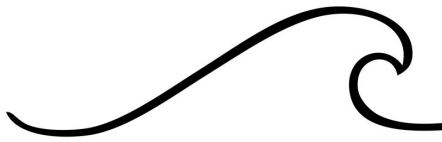
Quail

The Bobwhite Quail is a ground dwelling bird that lives in open pine forests. Prescribed burning has been used to manage habitat for these birds.

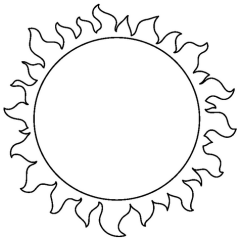


Renewable **resource**

**A naturally occurring material or form
of energy that can replace itself.**



solar



wind



wood chips

water



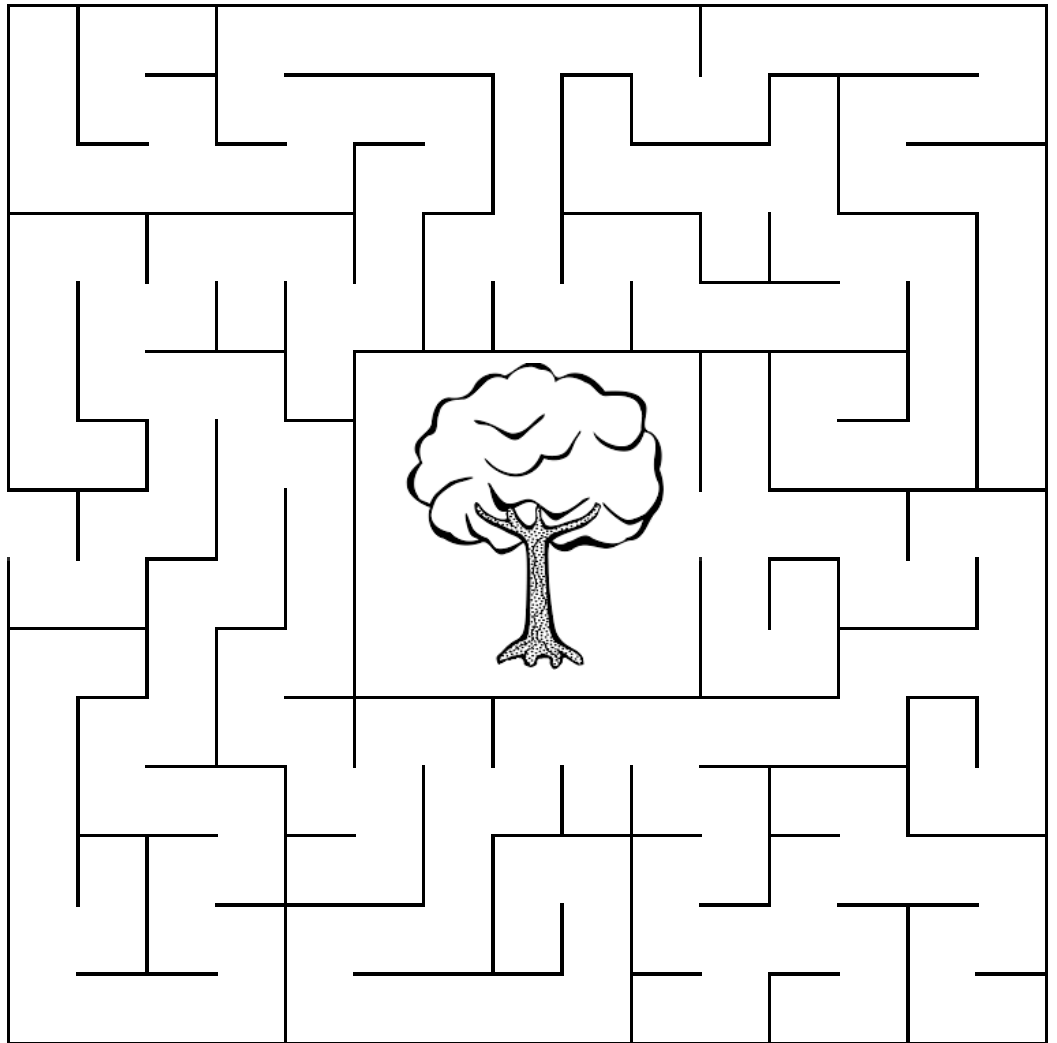
**Match the types of
renewable energy.**

Skidder

**A machine that is used in the
harvesting of trees to pull cut trees out
of the forest.**

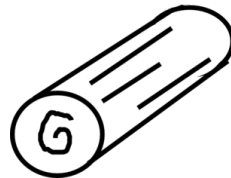
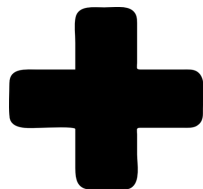
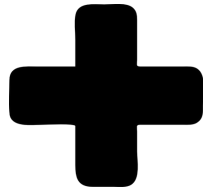
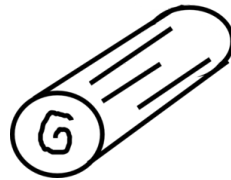
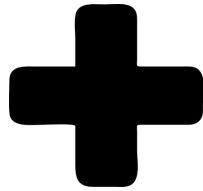


**Help the
skidder cut
the trees in
the forest.**



T imber

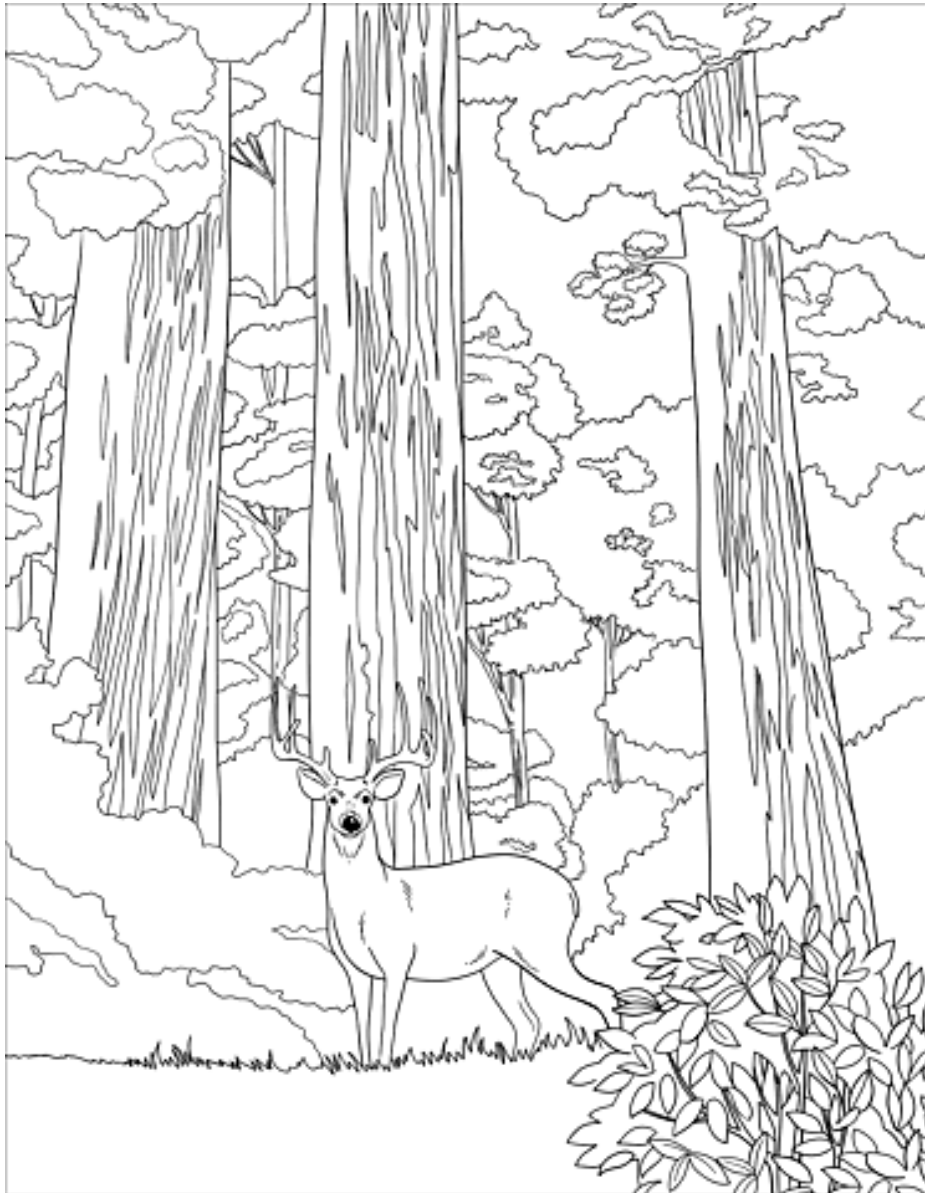
**A forest containing trees that are
being grown to turn into lumber for
construction.**



**A logger cut timber in the woods. How many
trees did he cut?**

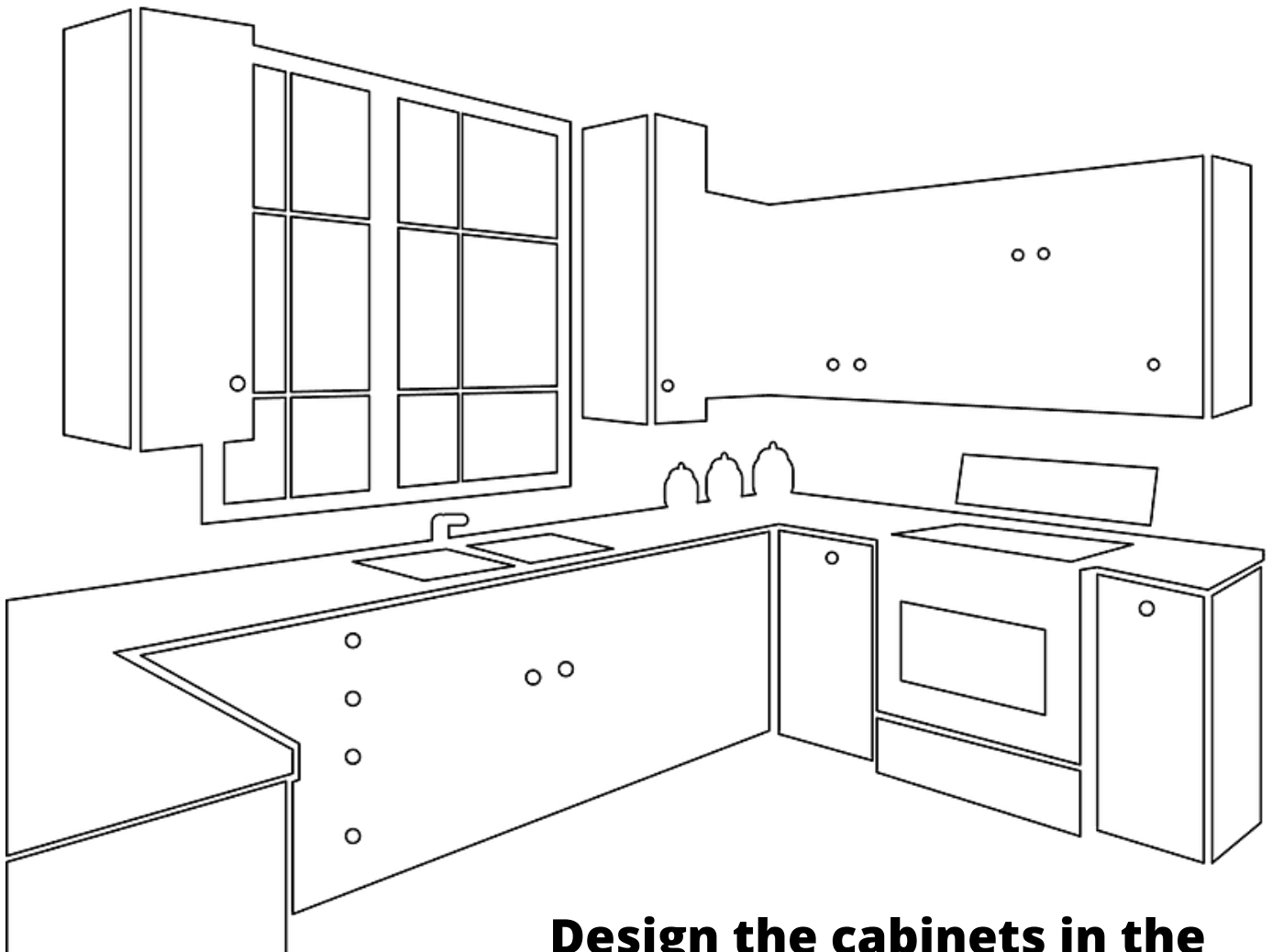
Understory

The area below the forest canopy that includes shrubs, snags, and small trees.



Veneer

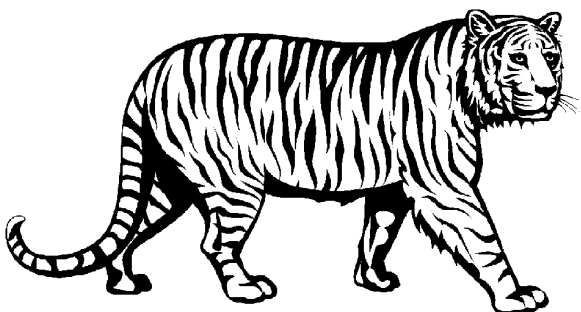
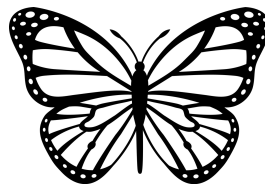
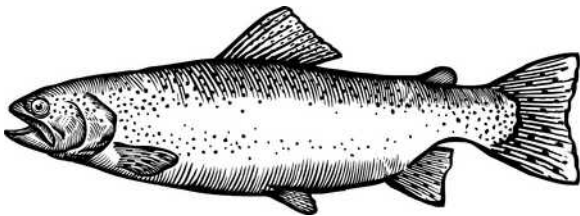
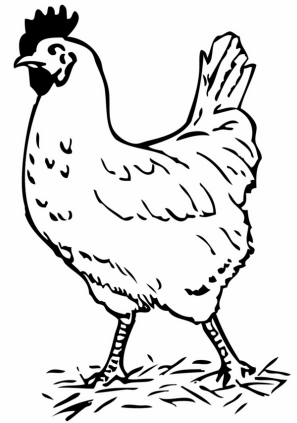
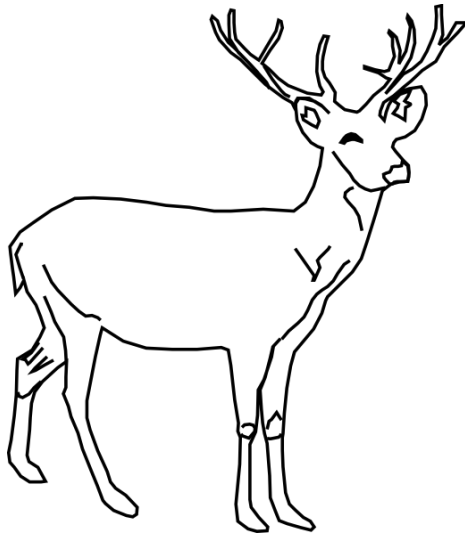
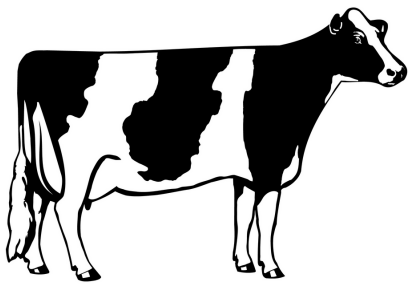
Thin slices of wood that are glued to manufactured wood. It is used to make panels for cabinets, doors, and parts of furniture.



Design the cabinets in the kitchen.

Wildlife

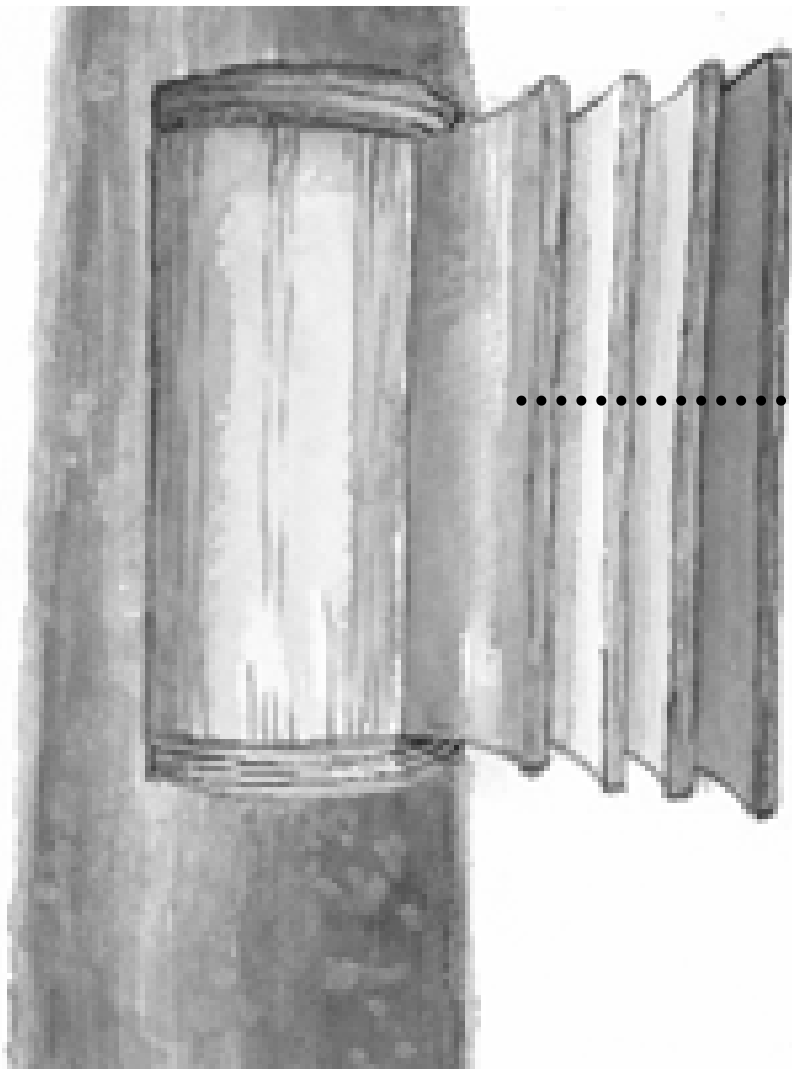
A broad term that includes non-domesticated vertebrates, especially mammals, birds, and fish.



Circle the animals that live in the NC forest.

Xylem

A part of a tree that moves water and nutrients up from the roots to the leaves.



.....**xylem**

Rayon

A wearable fiber that is made from cellulose, which is harvested from wood. Rayon can be made to feel like silk, wool, or even cotton.



**Design a t-shirt
made from
rayon!**

Zone

Zones are created to help keep the waterways in a forest safe. In streamside management zones trees are left uncut to protect water quality, create habitat, and prevent erosion.





ncforestry.org

All About Birds. Northern Bobwhite Identification.

https://www.allaboutbirds.org/guide/Northern_Bobwhite/overview

London, Lena. Bobwhite Quail. Super Coloring. <http://www.supercoloring.com/coloring-pages/bobwhite-quail>

Megalos and Kea. 2018, August 21. Understanding Forestry Terms. NC State Extension. <https://content.ces.ncsu.edu/understanding-forestry-terms-a-glossary-for-private-landowners>

Mercker, David. A Glossary of Common Forest Terms.

<https://extension.tennessee.edu/publications/Documents/W428.pdf>

NC Forest Service. 2020 August. Explaining A Streamside Management Zone.

<https://www.ncforestservice.gov/publications/Forestry%20Leaflets/WQ04.pdf>

NC Forest Service. 2010 March. Invasive Species Leaflet- Lonicera japonica (Japanese Honeysuckle).

<https://www.ncforestservice.gov/publications/Forestry%20Leaflets/IS09.pdf>