

Trees are good.



Trees provide shelter.

Trees are good.



Trees provide shade.

Trees are good.



Trees provide food.

Trees need care.



Pruning can make trees stronger.

Trees need care.



Water helps trees grow.

Trees need care.



Some insects can hurt trees.

Arborists care for trees.



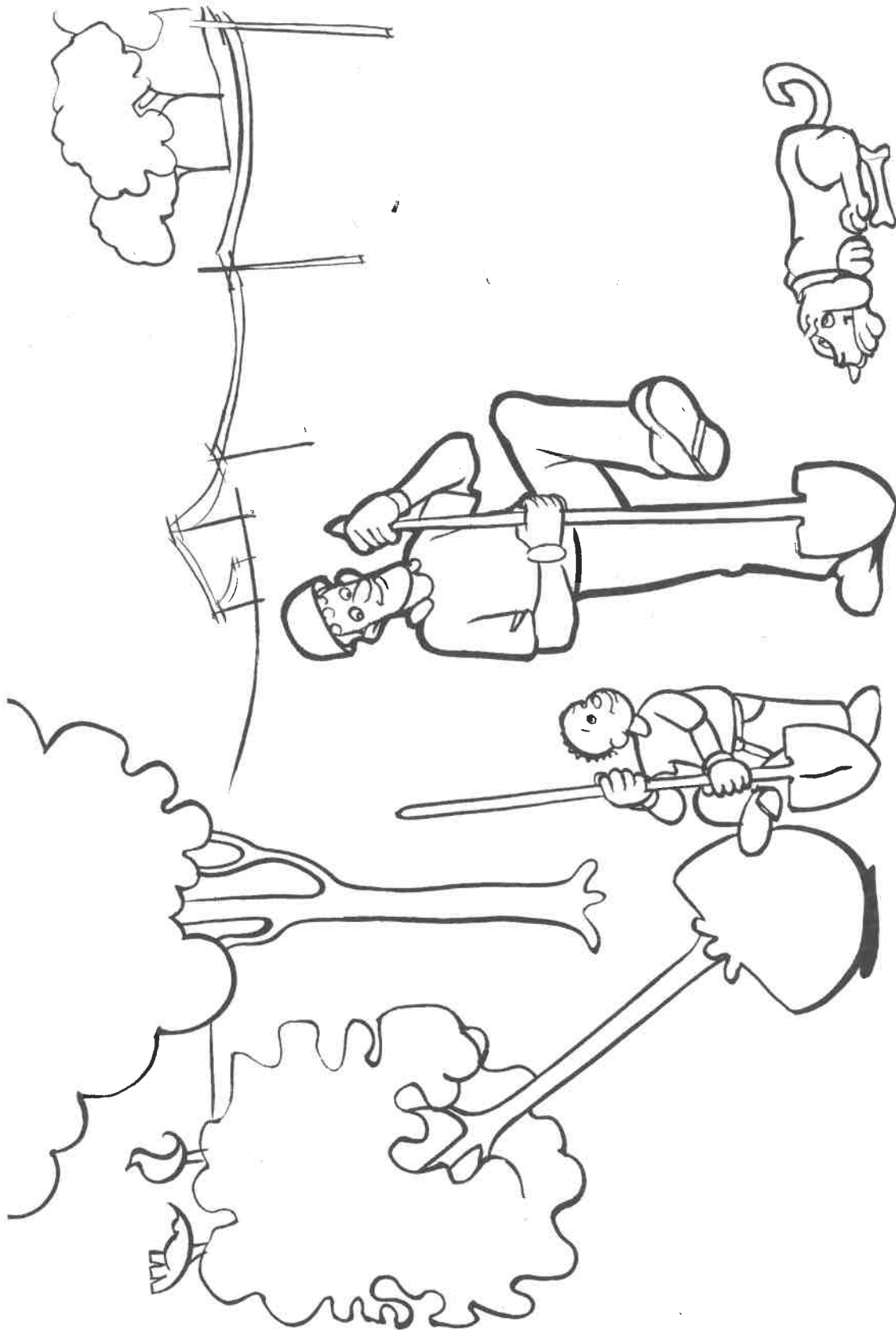
Arborists keep trees healthy.

Arborists care for trees.



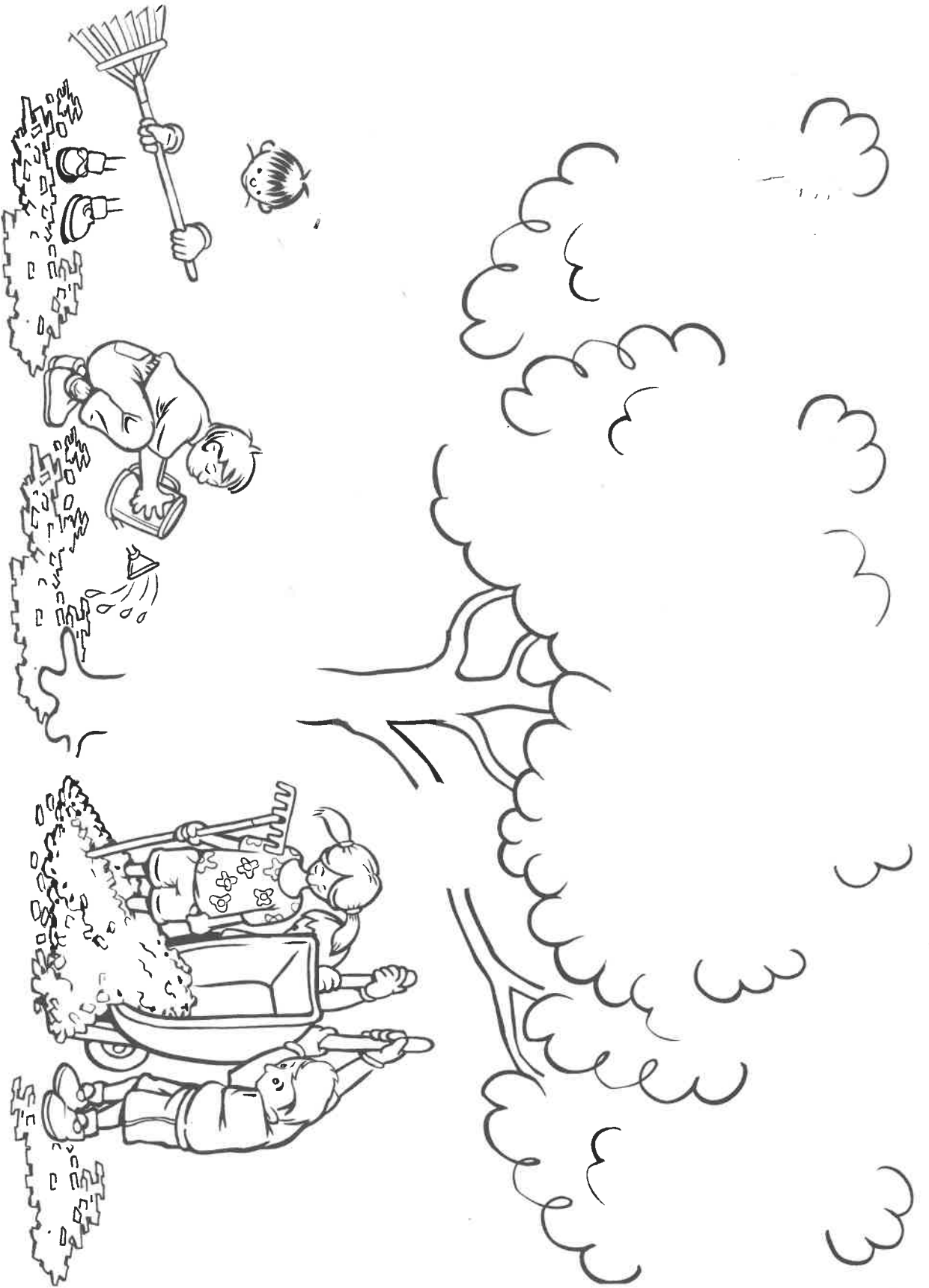
Arborists prune trees.

Arborists care for trees.

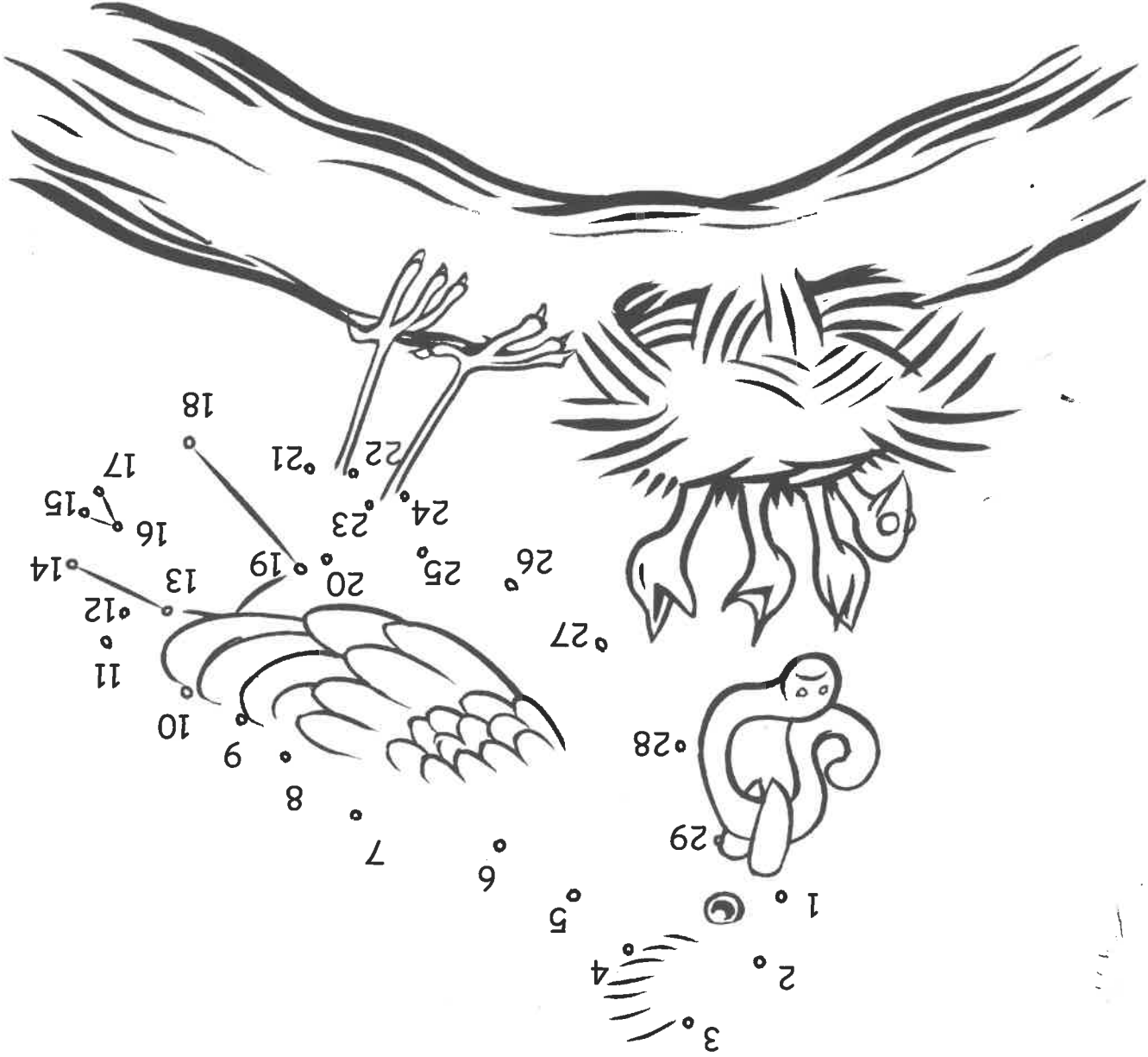


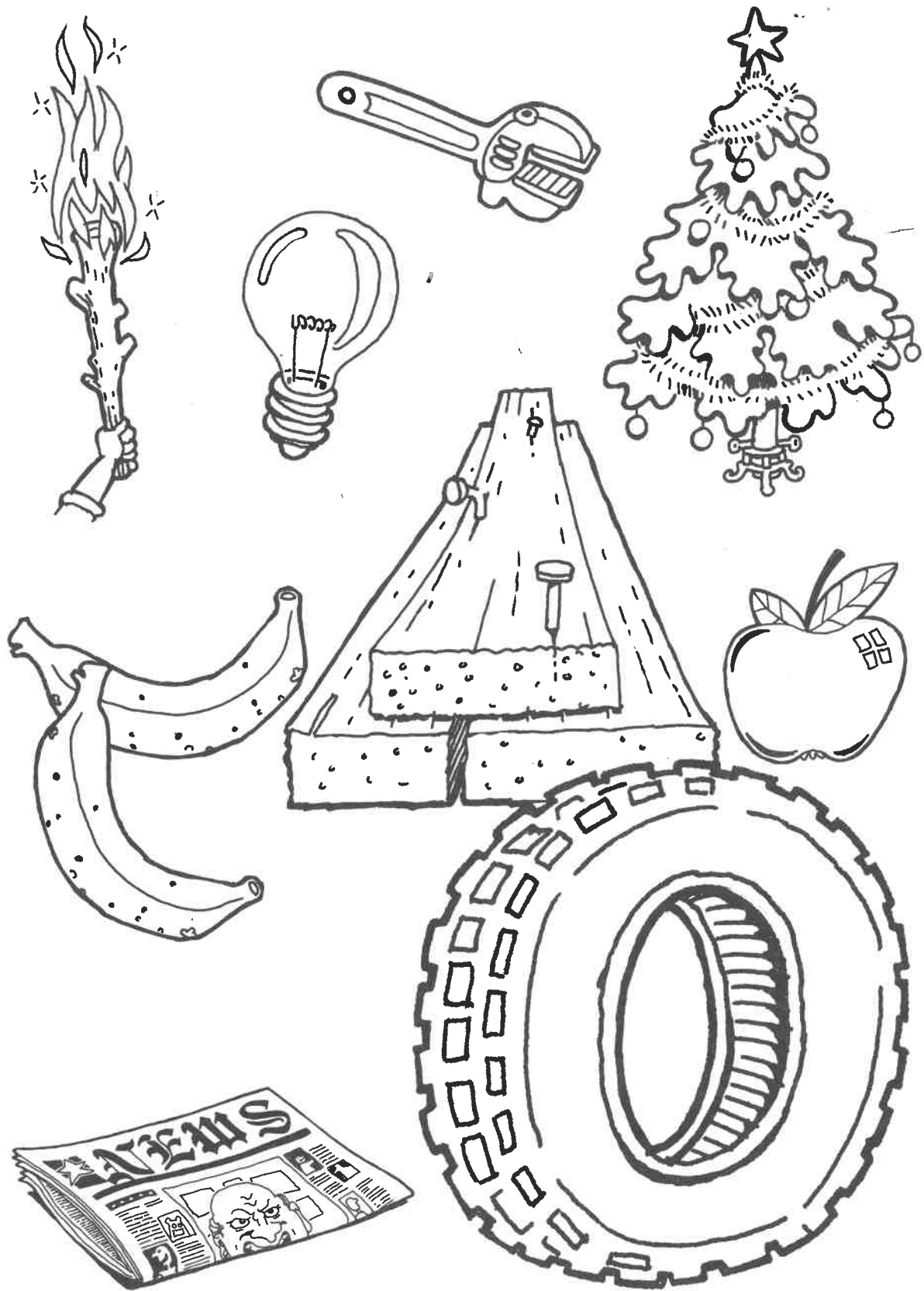
Arborists plant trees in the right places.

Finish drawing the picture.



Connect the dots to find the hidden picture.





Circle the things that come from trees.

(See answer on last page)

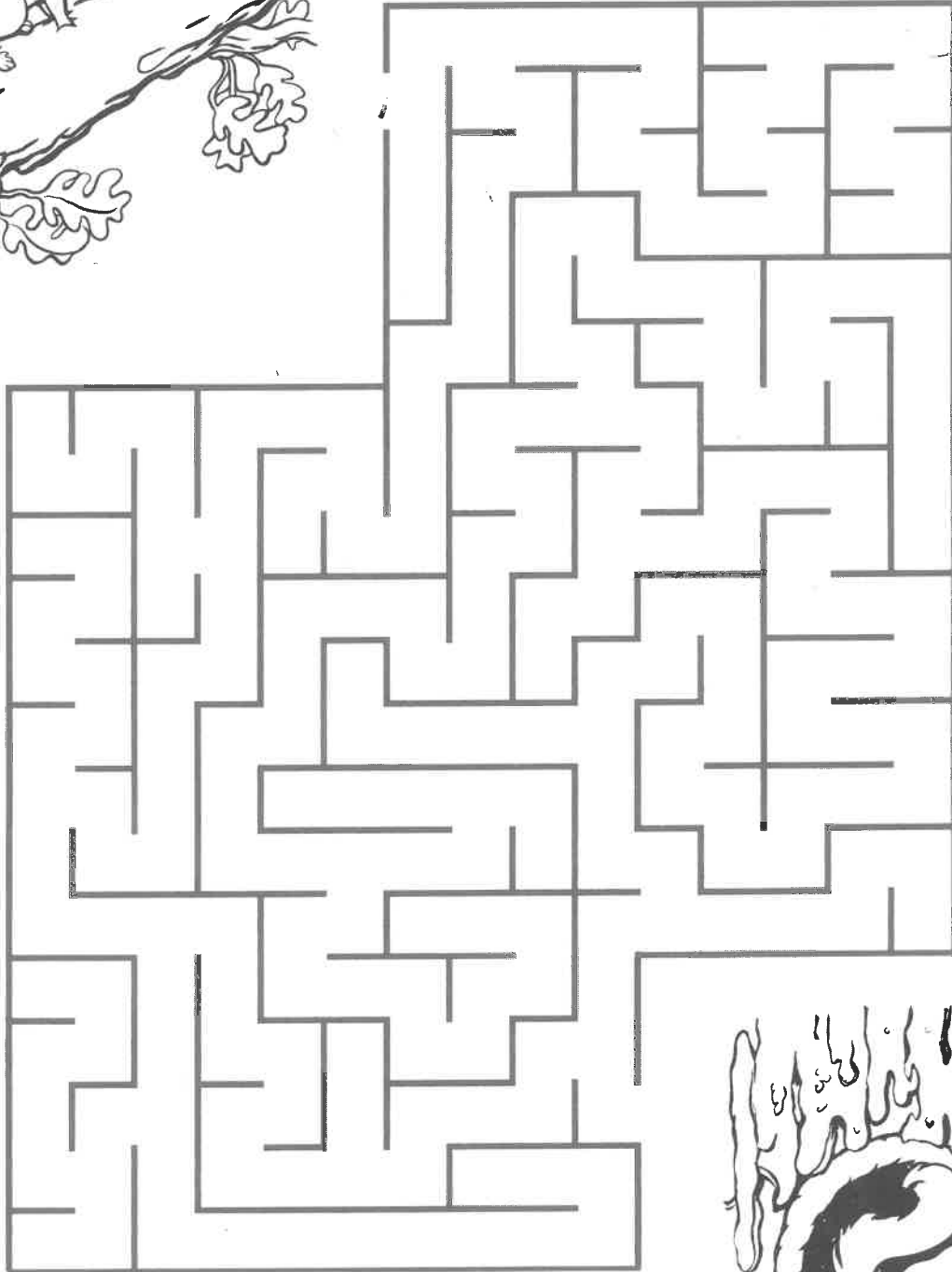


M A P L E X Y D F
S P Q R A M O A K
P P I N E O P B E
R L Z C W O F I R
U E N D S G E R U
C A E L M K P C S
E R O T J A S H Q

- | | |
|-------|---------|
| Apple | Oak |
| Ash | Pine |
| Birch | Maple |
| Elm | Redwood |
| Fir | |

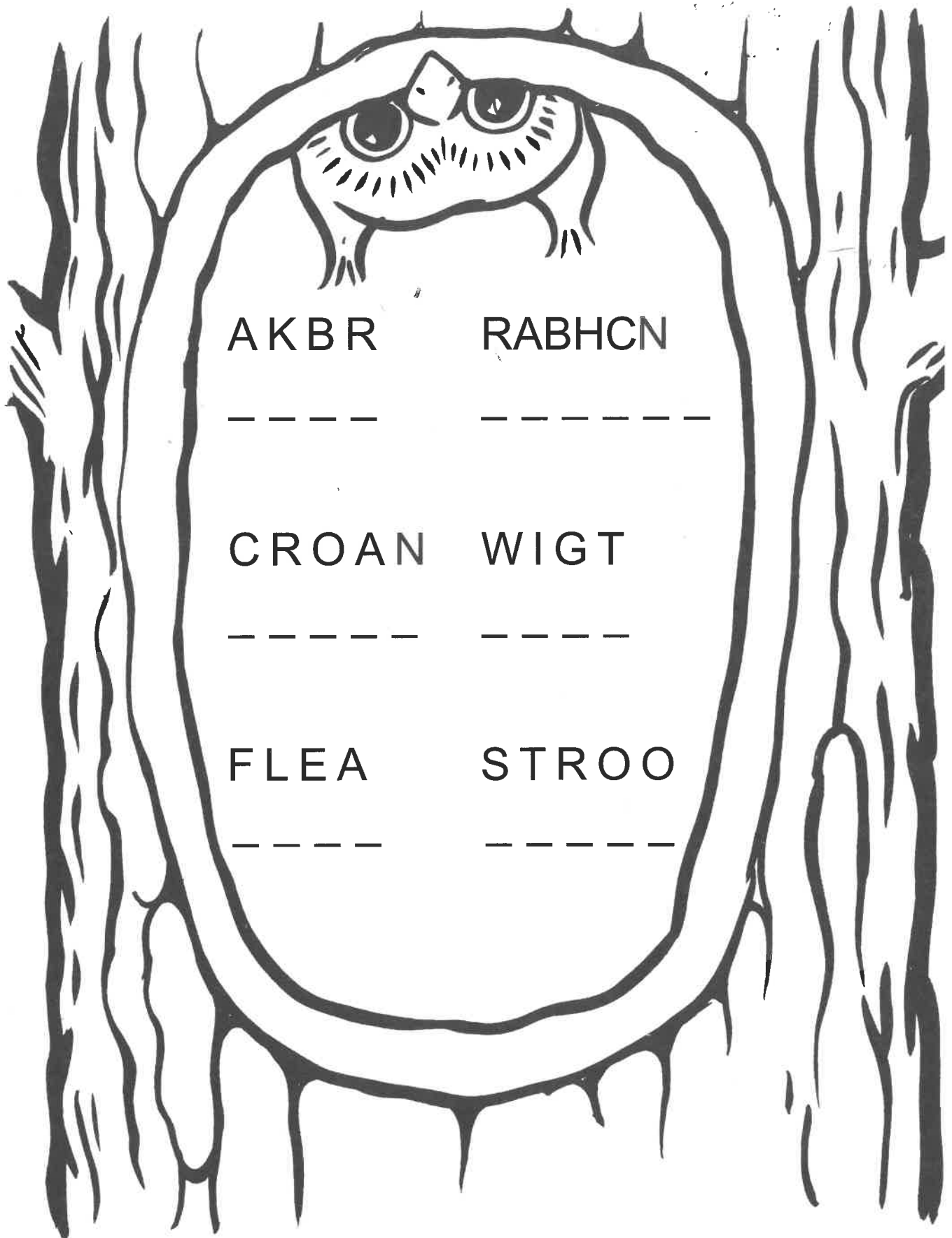
Word Search

Help the squirrel find the way back to the nest.



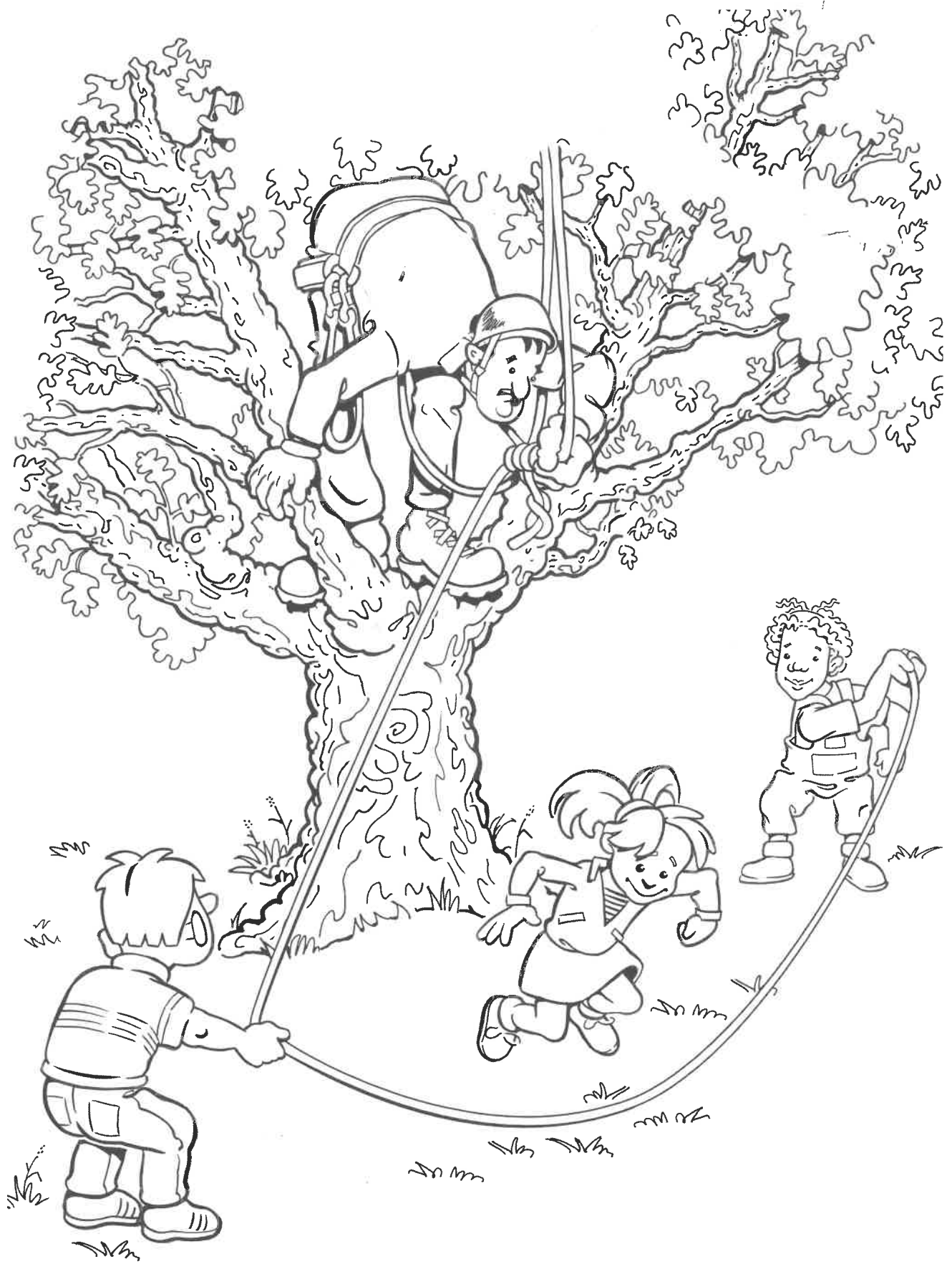


Make an "X" over the things that don't belong in a tree.

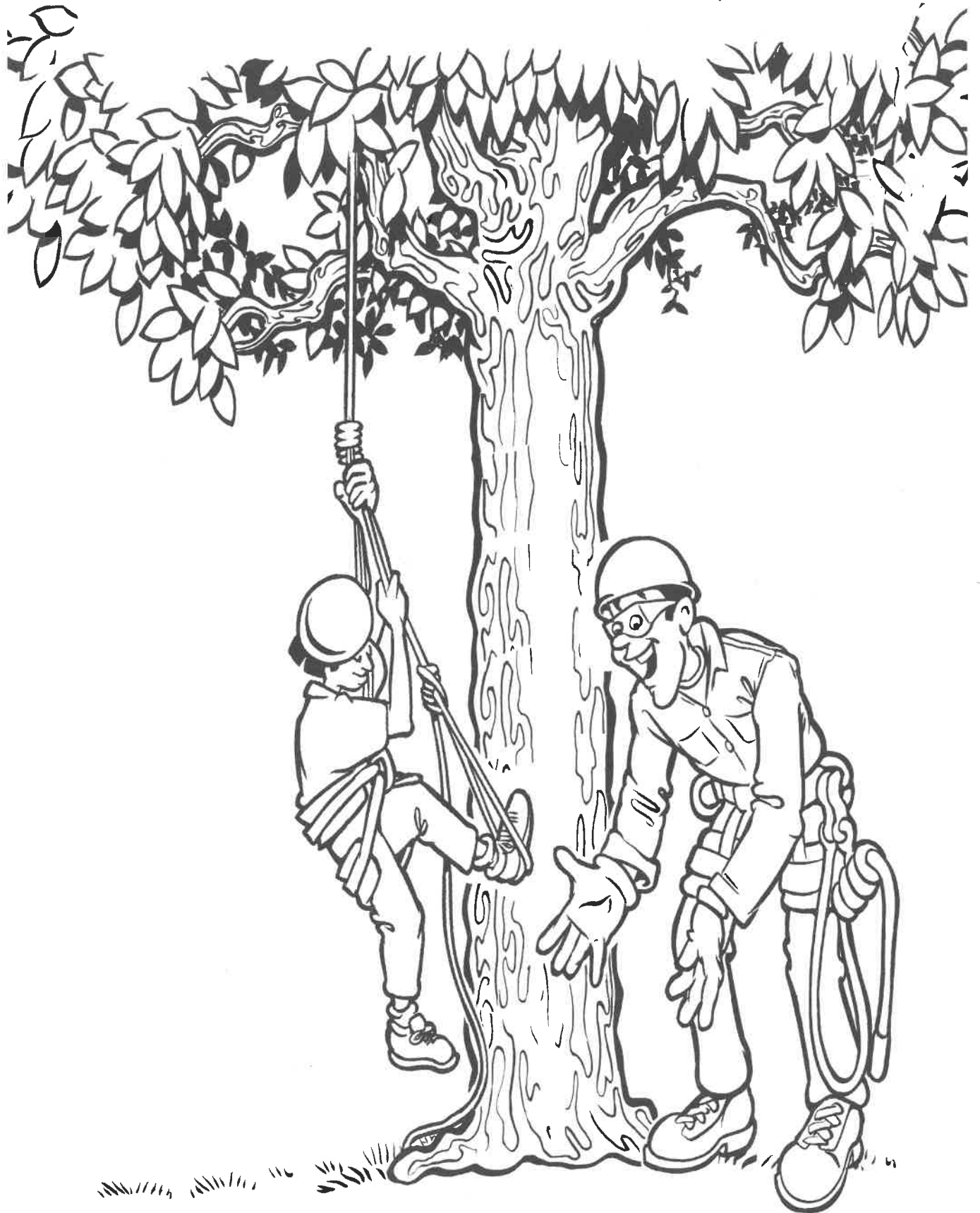


Unscramble these words to learn
the parts of a tree.

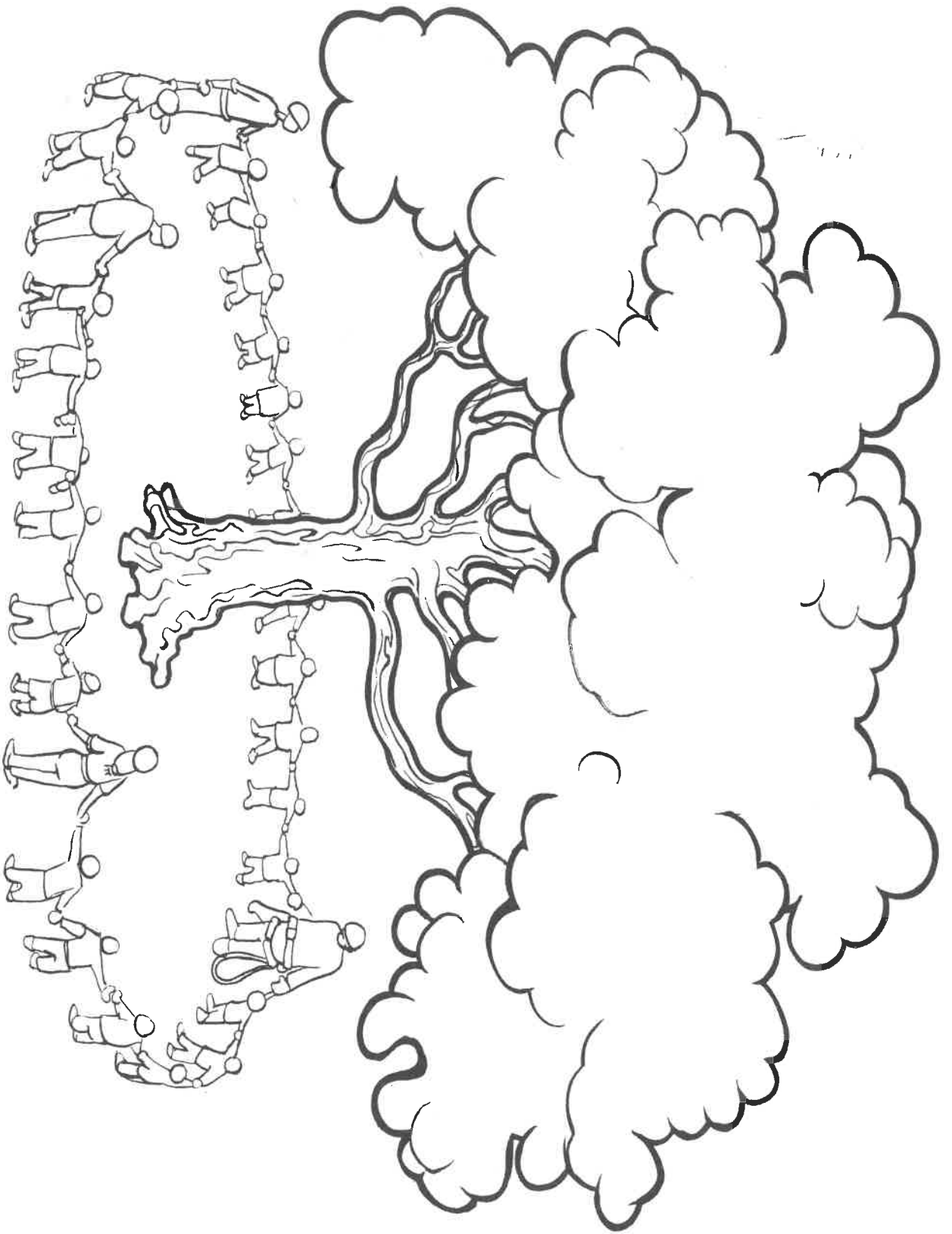
(See answer on last page)



Trees are fun.

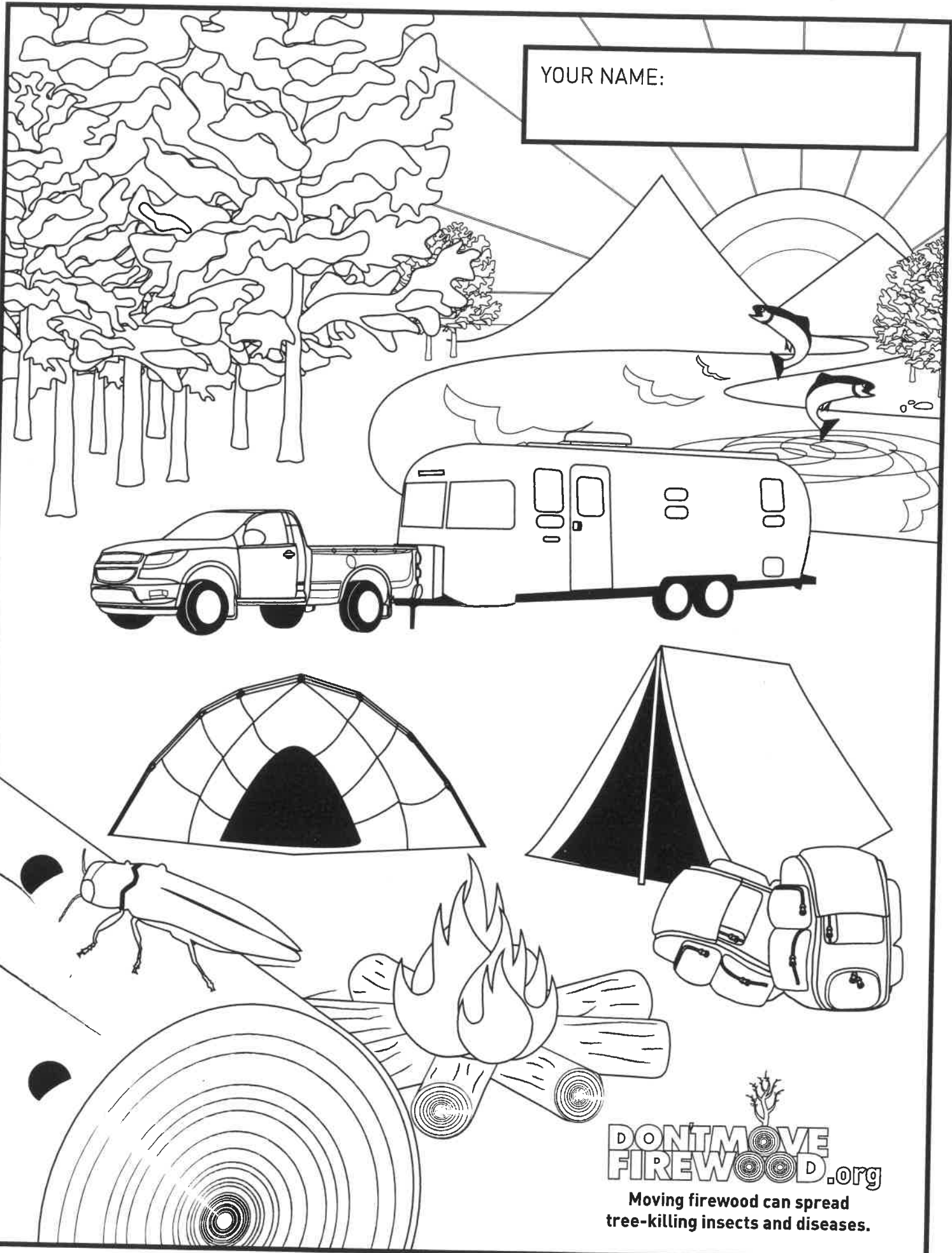


Kids can climb too.



Arborists love trees and so do we.

YOUR NAME:



**DONTMOVE
FIREWOOD.org**

Moving firewood can spread
tree-killing insects and diseases.

Trees (Gr. 4-5)

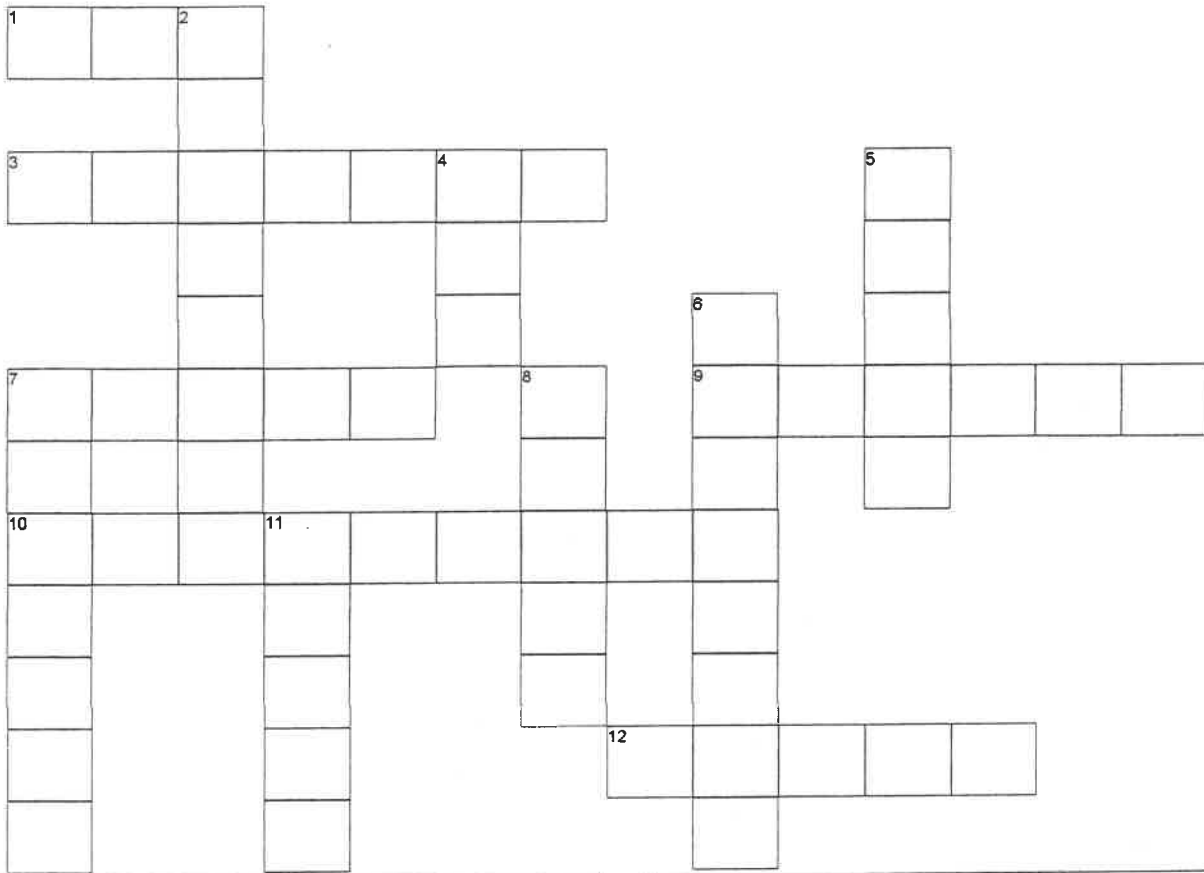
C R E P E M Y R T L E S P
S U G A R M A P L E H W O
C R A B A P P L E K O E P
H E W H I T E O A K L E L
E D X S W D E B B R L T A
R M A G N O L I A E Y G R
R A T Q V G M N U D B U U
Y P E A R W I L L O W M C
U L I V E O A K V A S F S
L E Q V D O H I C K O R Y
K D W Q B D B I R C H R D
W A L N U T G I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

Apple
Birch
Cherry
Crabapple
Crepe Myrtle
Dogwood
Elm
Ginko

Hickory
Holly
Live Oak
Magnolia
Pear
Poplar
Red Bud
Red Maple

Red Oak
Sugar Maple
Sweetgum
Walnut
White Oak
Willow

Trees (Gr. 3-5)



ACROSS

DOWN

1. Dutch ---
Disease
3. Tree that
barks
7. Has red
winter
berries
9. Weeping

10. Cranky
apple
12. The "sweet"
Maple

2. Has large
white
blossom
4. White ---
5. An ----- a
day.....
6. "Sugary" gum
7. ----- Stick
8. Red -----
11. -----bark
Canoe

Trees (Gr. 2-3)

AMLEP -----
IKYROCH -----
IOGKN -----
LAEPP -----
LYOLH -----
OAILGMNA -----
OKA -----
PRAE -----
RCBIH -----
WLTUNA -----
WWLOLI -----
YHRREC -----

Through research and advances in technology, we have learned to convert tree fibers and paper-pulping residues into a wealth of products. In fact, there are more than 5,000 wood and paper products that we use and enjoy each day — everything from baby food and ice cream, to rayon and paint, to toothpaste, cosmetics, medicine and household cleaners. But what makes all of these products special is that they come from a renewable resource — trees.

Goods from the Woods

Unlike fossil fuels, metals and plastics, wood can be harvested, used, regrown and harvested again and again in a never-ending cycle. With proper forest management, we can enjoy thousands of products and still have plenty of trees for wildlife habitat, clean air and water, recreation and aesthetic beauty today and in the future.

Read on to learn more about Goods From the Woods!

Toothpaste: Toothpaste contains cellulose gum, a natural product derived from wood. The gum acts as a binder and provides a creamy texture. Toothpaste may also contain terpenes, a chemical derived from wood that is used to sweeten the spearmint or peppermint flavor of many toothpastes and mouthwashes.

Soft drinks: Many citrus flavored soft drinks contain chemicals from trees called esters. Esters, which are derivatives of wood rosin, act as a weighting agent and assure a uniform distribution of the citrus flavor throughout the drink.

Lotion: Many beauty products, including lotions, contain Vitamins A and E, which come from wood extracts. Many skin lotions also contain stearic acids that are derivatives of fatty acids produced during the papermaking process.

Glue: Glues and adhesives can be made from hard resins, a natural substance that comes from trees.

Dishwashing liquid: Detergents, soaps and shampoos, are made from crude fatty acids derived from wood. The lemon scent of some dishwashing liquids and furniture polishes comes from trees during pine turpentine processing.

Chewing gum: Chewing gum is made by using the rosin or storax of trees such as spruce. Chewing gum may also contain terpenes, a group of pine derivatives used to sweeten peppermint and spearmint oils used as flavoring.

Cinnamon: Many spices used in cooking — such as nutmeg, bay leaves and cinnamon — come from trees. Cinnamon is made from the bark of the laurel tree which grows in India and Sri Lanka. Sticks of cinnamon are produced by cutting bark off of young saplings. When left to dry, the bark curls up.

Crayons: Carnauba wax, a resin produced by the leaves of the carnauba tree, is the waxy component of crayons. Carnauba wax is also used in car wax, and as a finish coating on furniture, produce (such as apples and pears) and a wide variety of other products. The pharmaceutical industry uses it to coat pills, and it is a major ingredient in lipstick and other cosmetics.

Instant hot chocolate: Instant hot chocolate contains cellulose or methylcellulose, the main building block of wood. This form of cellulose acts as a thickening and binding agent.

Cellophane tape: Cellophanes are derived from the sugar components of wood during the pulping process and are used in making such products as wrap and tape.

Cookies: Many baked goods contain cocoa from the seeds of the cacao tree, and vanillin, an artificial flavoring made from wood.

Facial tissue: Papers — including facial tissues, toilet paper, paper towels, newspapers, and writing papers — are made from cellulose, the main building block of wood.

Medicine: Aspirin tablets and other medicines in tablet form are held together with lignin, which is the natural glue in wood. The essential elements of aspirin come from the bark of willow trees. Many other medicines used in treating diseases such as high blood pressure and Parkinson's disease also contain various wood derivatives.

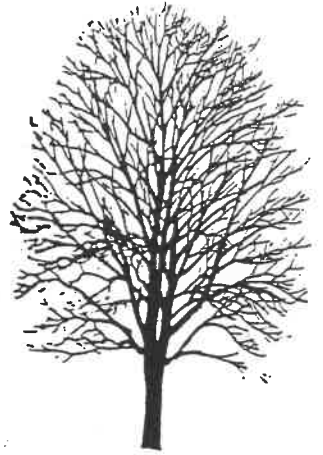
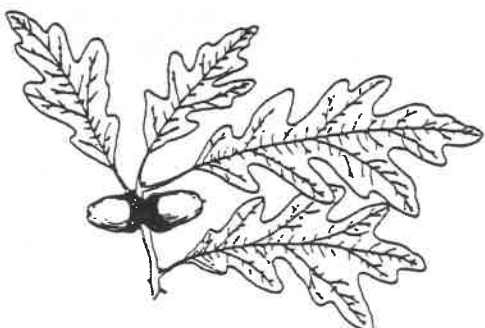
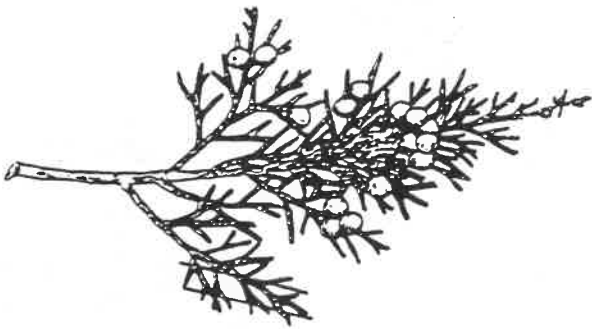
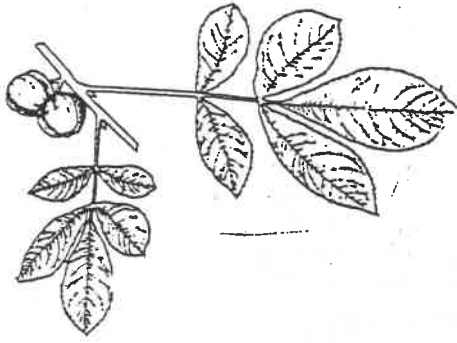
Coffee: The nuts and seeds of many trees provide food for both humans and animals. Most of the world's coffee is obtained from the berries of the Arabica coffee tree. Other edible nuts and seeds include pine kernels, walnuts and pecans.

North Carolina Forestry Association, 1600 Glenwood Avenue, Suite I, Raleigh, NC 27608 Telephone: (919) 834-3943

This Goods From the Woods box was packaged with pride by developmentally disabled adults employed by Wake Enterprises.

3rd grade

Match Leaves to Trees



RED MAPLE



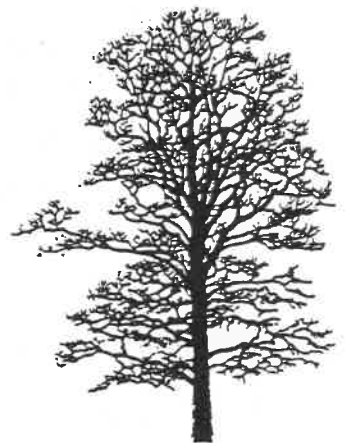
BALSAM FIR



RED CEDAR



WHITE OAK

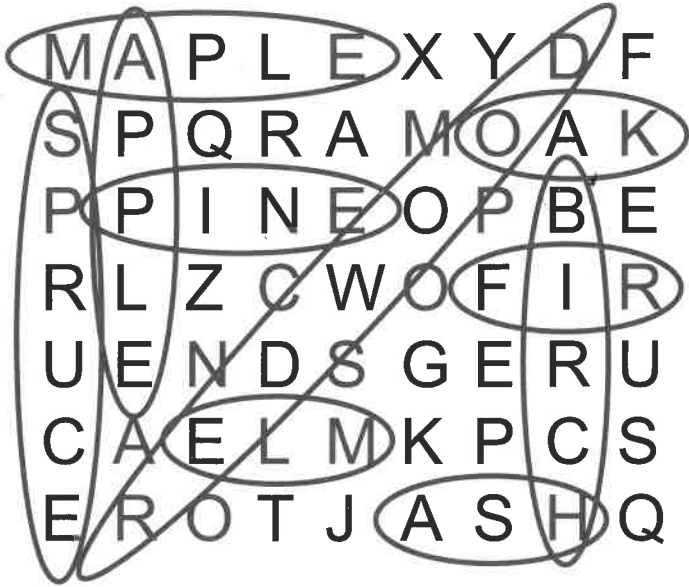


SHAGBARK HICKORY

Answers

There are 26 acorns in the old oak tree.

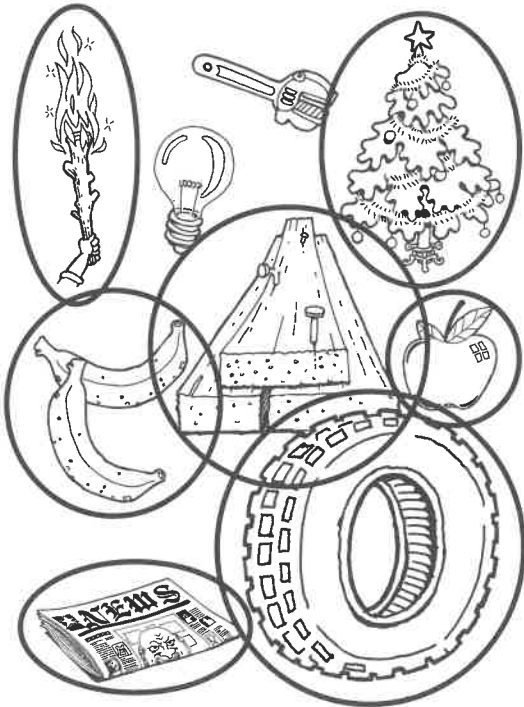
Word Search



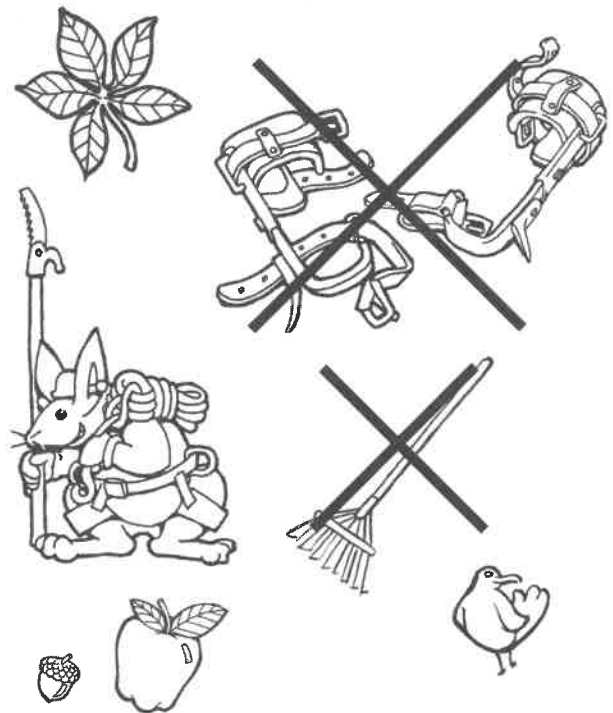
Word Scramble




AKBR	RABHCN
<u>B</u> <u>A</u> <u>R</u> <u>K</u>	<u>B</u> <u>R</u> <u>A</u> <u>N</u> <u>C</u> <u>H</u>
CROAN	WIGT
<u>A</u> <u>C</u> <u>O</u> <u>R</u> <u>N</u>	<u>T</u> <u>W</u> <u>I</u> <u>G</u>
FLEA	STROO
<u>L</u> <u>E</u> <u>A</u> <u>F</u>	<u>R</u> <u>O</u> <u>O</u> <u>T</u> <u>S</u>



What comes from a tree.



Things that don't belong in a tree.



	Lumber comes from trees, but nails don't.
	Christmas trees are trees, but often the ornaments don't come from trees.
	Did you know that rubber comes from trees?

	Arborists may use climbing spurs on trees to be removed, but climbing spurs can injure trees.
	Most rabbits don't belong in trees, but this rabbit is an arborist.