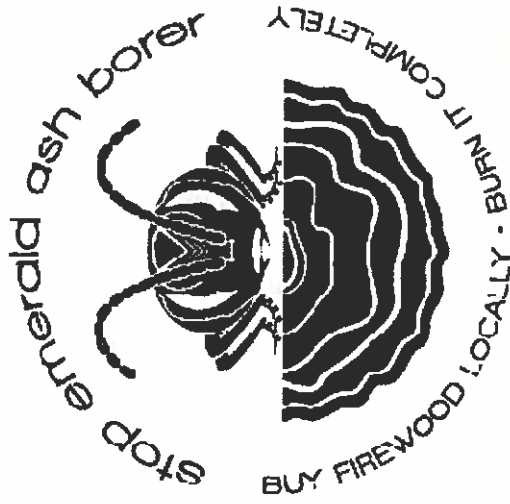


For more information on  
Emerald Ash Borer, visit:

[www.emeraldashborer.info](http://www.emeraldashborer.info)

Or call the University of Maryland Home  
and Garden Information Center at:

<https://extension.umd.edu/hgic>



# The Emerald Ash Borer



## Fun Activity Book

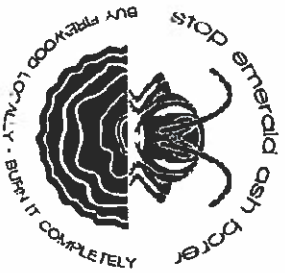
Have fun while you  
learn about this  
pesky beetle!

## Introduction:

Emerald ash borer (EAB) is an invasive insect that is often moved to new places in firewood. It could destroy all of North America's ash trees and badly hurt our forests.

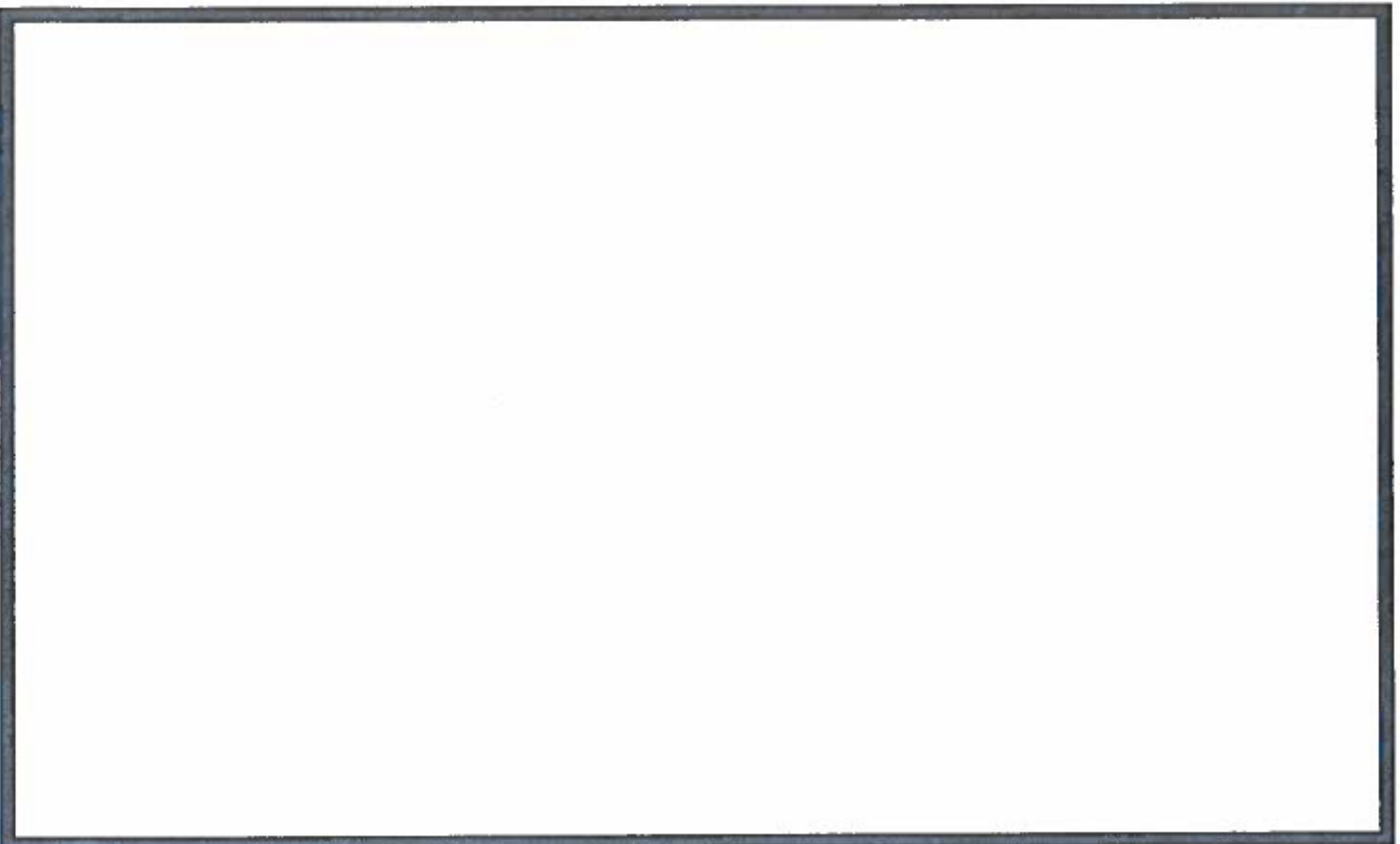
Adult EAB beetles are bright metallic green in color. Adults are only one half inch long and are present during the summer months. Symptoms of EAB include thinning leaves at the top of the ash tree and D-shaped exit holes on the trunk and limbs.

You can help stop this bad beetle by learning about EAB and by asking your parents to buy all firewood at the same place they're going to use it. We hope this activity book will be a fun way to help you become an EAB expert!



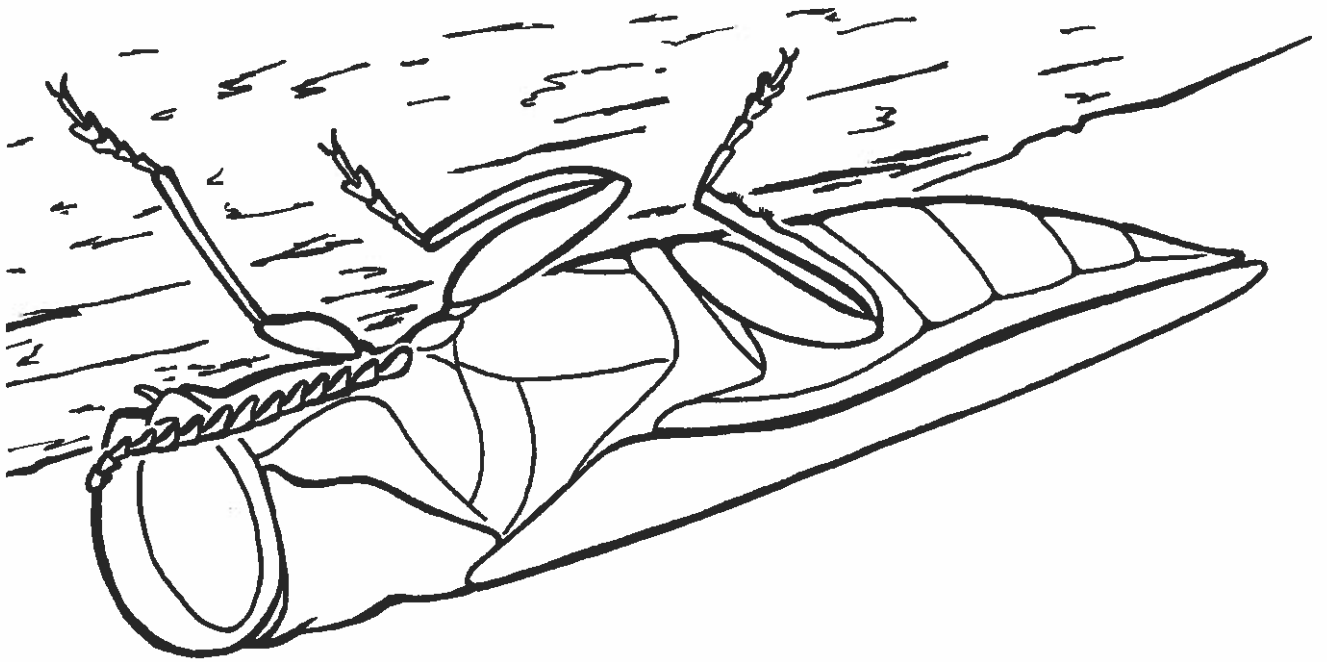
1 Martin O'Malley, Governor  
Anthony G. Brown, Lt. Governor

Karl F. Hance, Secretary  
Mary Ellen Sefting, Dep. Secretary



Design your own billboard about EAB!

2 Color the beetle! (Hint: He's really green!)



**A Healthy Ash Tree**

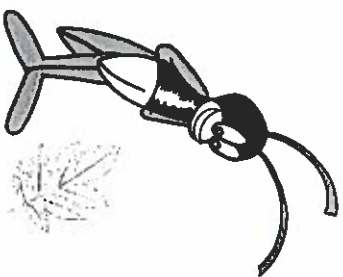
**An Ash Tree After EAB**

Draw an ash tree before and after EAB

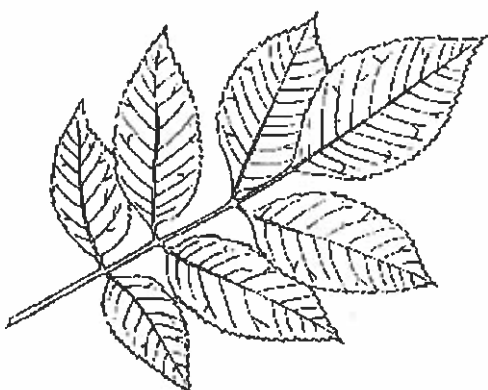
# EAB Word Search!

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

Find these words hidden in the puzzle.

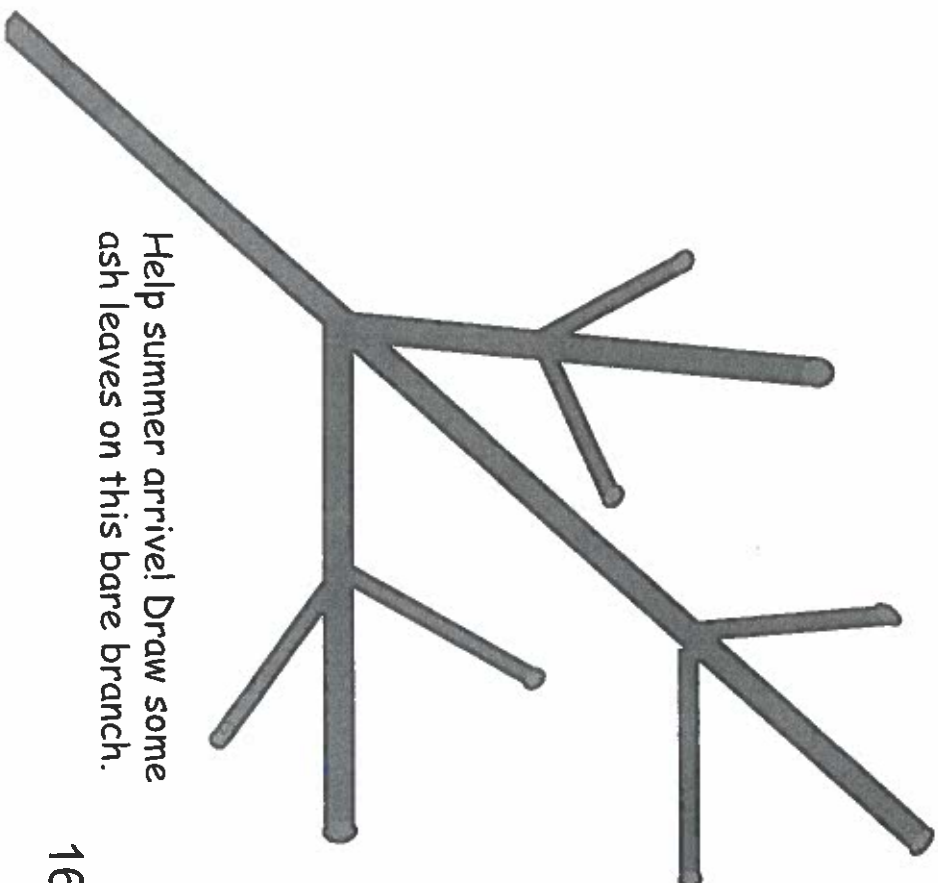


- |          |          |
|----------|----------|
| BEEBLE   | BUGS     |
| EAB      | EAT      |
| EMERGE   | FEEDING  |
| FIREWOOD | FOE      |
| GREEN    | INVASIVE |
| JUNE     | KILL     |
| LARVAE   | LEAF     |
| SAP      | SHOOTS   |
| TREE     |          |



# Leaves

This is what an ash leaf looks like. Can you make it nice and green?



Help summer arrive! Draw some ash leaves on this bare branch.

# Test Your Knowledge!

Circle the correct response. Answers are below.

- How many ash trees are there in the forests of North America?
  - 8,000
  - 8,000,000
  - 8,000,000,000
- How many ash trees grow in Maryland's forests?
  - hundreds
  - thousands
  - millions
- Branches of ash trees grow:
  - Opposite of each other (like your arms)
  - In a staggered pattern
- Ash wood is used to make:
  - Tool handles
  - Baseball bats
  - Canoe paddles
  - All of the above
- If they are not controlled, emerald ash borers could eventually kill all ash trees in North America.
 

\_\_\_ True \_\_\_ False
- One of the most important things we can do to protect ash trees is to not move firewood.
 

True \_\_\_ False \_\_\_

# Scrambled Words

Unscramble these jumbled up words, one letter to each box, to spell the name of things related to Emerald Ash Borer.

ENERG				
RETSE	○			

UGB		
AKRB	○	

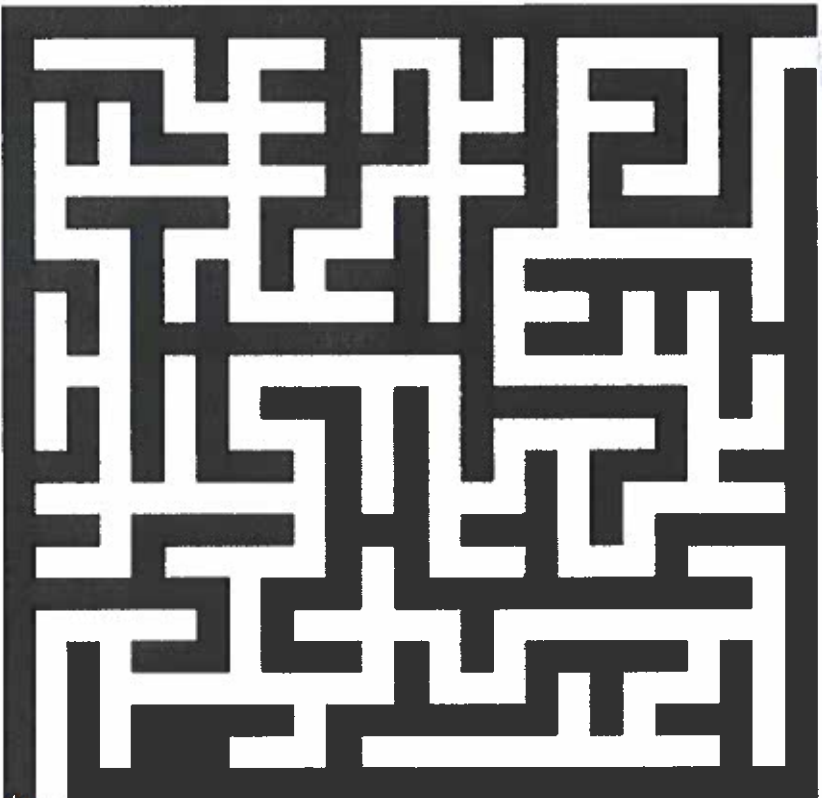
WDFEIOIR									
	○								

Arrange the circled letters to solve the mystery word.

○	○	○	○	○	○	○	○



## A Trip Through The Maze



Help Jimmy find his way to a resting place under the shady ash tree!

### DOWN

1. Young EAB live under this part of the tree.
2. EAB is this type of animal.
4. The Green Menace (3 words).
5. A place to pitch a tent or park an RV.
6. Never bring firewood with you from here.
8. The time of year when young EAB feed in the tree.
9. EAB likes to sneak a ride to parks in this.
10. The type of tree that EAB loves to eat.
11. What EAB eventually does to ash trees.

### ACROSS

3. The proper term for young EAB.
7. A lovely place full of trees and animals.
12. A gooey treat that you toast over flames when camping.
13. What you must pay if you move firewood illegally.
14. How you will feel if you help save Maryland's trees!
15. Trees provide this on a sunny day.
16. You build one of these when camping to keep you cozy and warm at night.

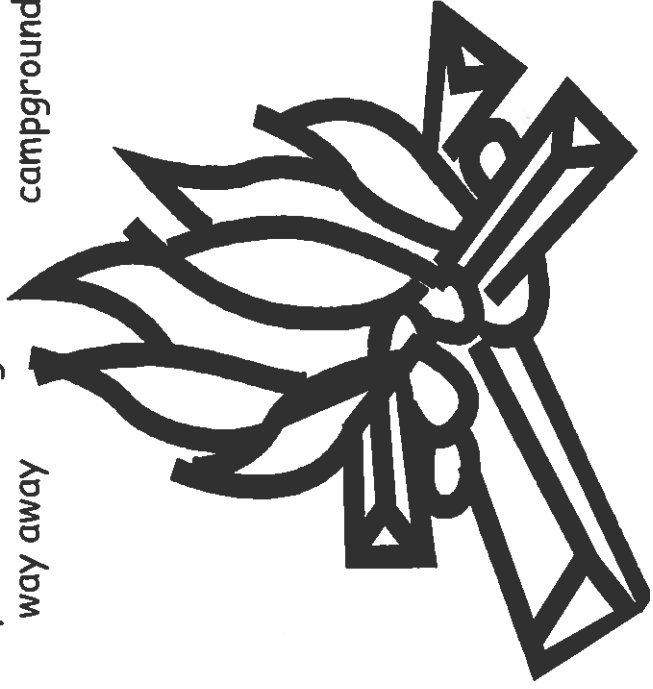
# Circle The Firewood Your Family Should Choose:



Firewood you brought with you from a long way away



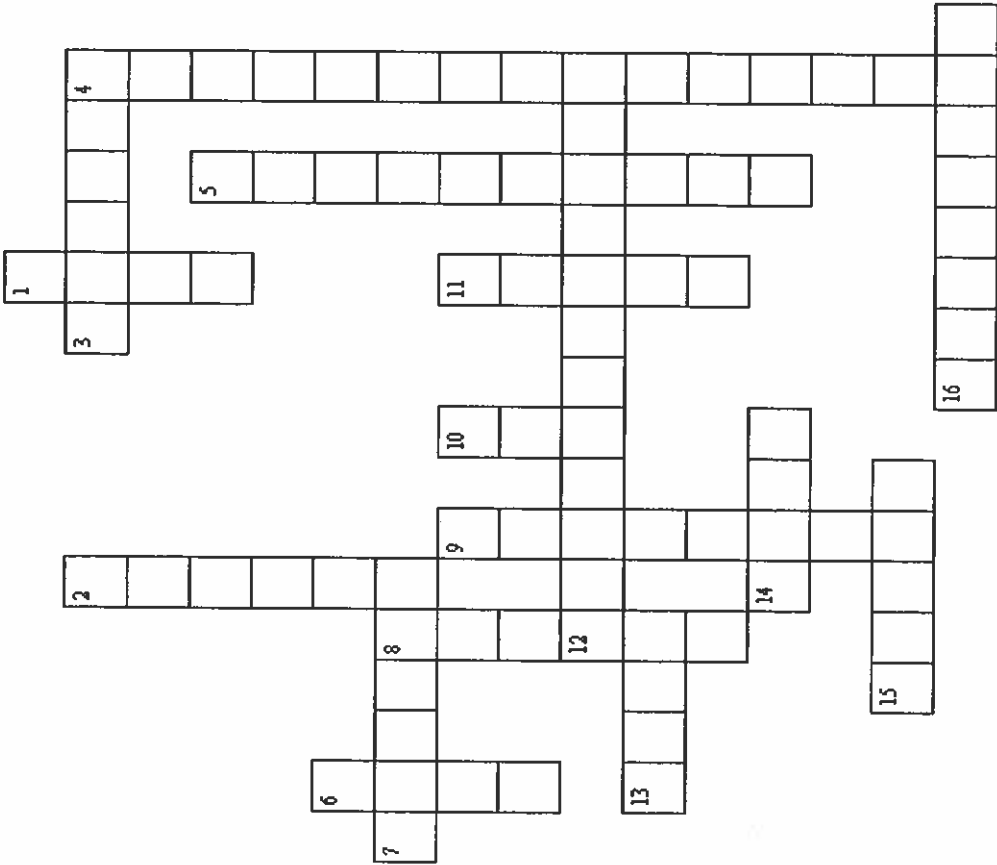
Firewood you bought near or at the campground



Now color this glowing campfire.  
Don't forget the sparks!

Answer: Always buy firewood locally and never move it long distances.

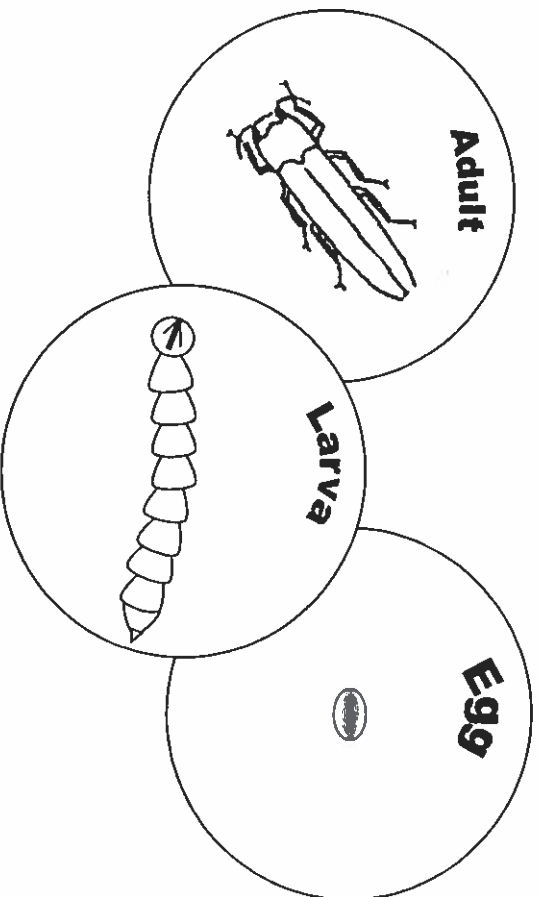
# EAB Crossword Fun!



Down: 1.Bark 2. Insect 4. Emerald Ash Borer 5. Campground 6.Home  
8. Summer 9. Firewood 10. Ash 11. Kills  
Across 3. Larvae 7. Forest 12. Marshmallows 13. Fire 14. Good 15.  
Shade 16. Campfire



# The EAB Life Cycle



## Fill in the blanks:

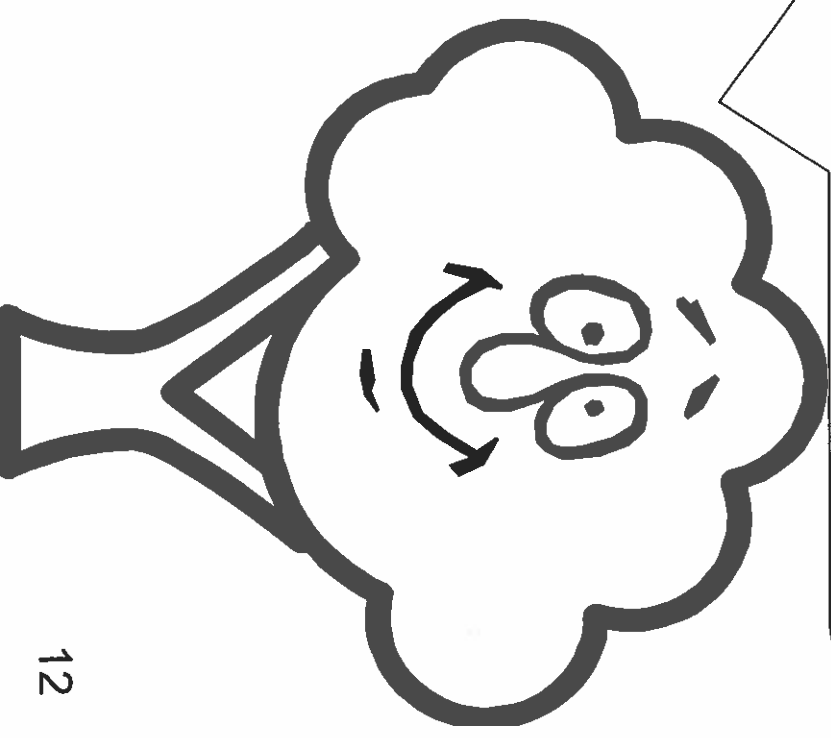
An emerald ash borer starts life as a tiny \_\_\_\_\_.

After a few days, the EAB becomes a \_\_\_\_\_ and feeds under the ash tree's bark all summer long. When the weather turns cool, the EAB snuggles in and takes a long nap that lasts all winter.

In the spring, the EAB wakes up and changes into an \_\_\_\_\_ while still under the bark. When it is \_\_\_\_\_ strong enough, it chews its way out through a D-shaped hole and looks for a mate to start everything all over again.

**I've Got Something To Ask You...**  
If you were an ash tree, what would you ask people to do to save you from the emerald ash borer? Write down your message and color yourself!

A large, empty speech bubble shape with a tail pointing towards the tree illustration, intended for students to write their message.





## Instant Essay: Fill-In-The-Blanks

An \_\_\_\_\_ species is one that invades a new neighborhood and steals food and water from species that have always lived there.

The emerald ash borer (EAB) is a shiny, \_\_\_\_\_ - colored wood boring \_\_\_\_\_ that came to North America from the continent of \_\_\_\_\_. Several adult EAB can fit on a bright copper \_\_\_\_\_.

Emerald ash borers feed only on \_\_\_\_\_ trees. You can find these trees in several settings including \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_. Ash trees are often located along the rivers because they love being near \_\_\_\_\_. The wood from ash trees is strong and flexible so it is used to make \_\_\_\_\_ bats and handles for tools.

EAB kills \_\_\_\_\_, beautiful trees, as well as those that are unhealthy. The adult EAB female lays her eggs on the rough outer \_\_\_\_\_ of the tree. Immature EAB, called \_\_\_\_\_, feed on tissue of the ash tree that is used to circulate its food and water throughout the tree. Adult EAB begin to emerge from under the tree's bark in the month of \_\_\_\_\_ through holes that are shaped like the letter \_\_\_\_\_.

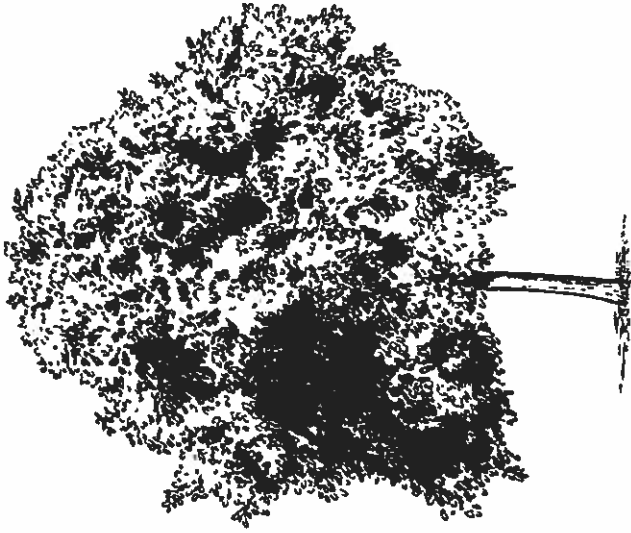
EAB is often moved to new locations in \_\_\_\_\_ so please tell your parents to buy it only near the place where they are going to burn it.

### Use the following words to fill in the blanks:

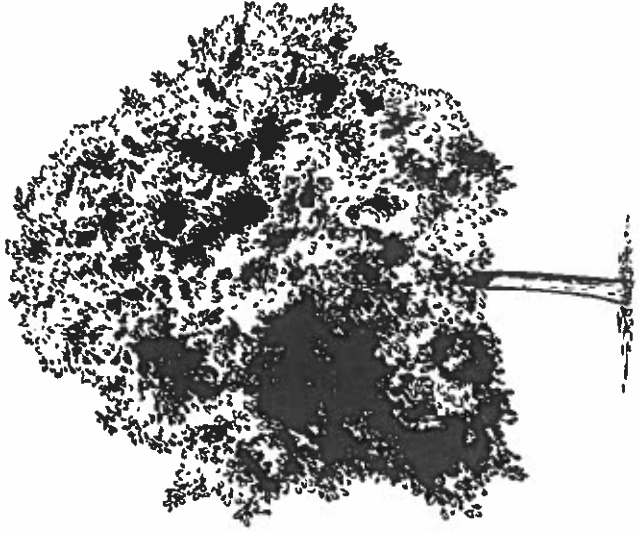
Firewood	Invasive	Forests
Green	Neighborhoods	Baseball
Bark	Ash	Asia
Beetle	Healthy	Penny
Water	Cities	May
Larvae	D	

invasive...green...beetle...Asia...penny...ash...forests...cities...water...baseball...healthy...bark...larvae...May...D...firewood

# Seasons



Color an ash tree in summertime and draw yourself standing next to it.

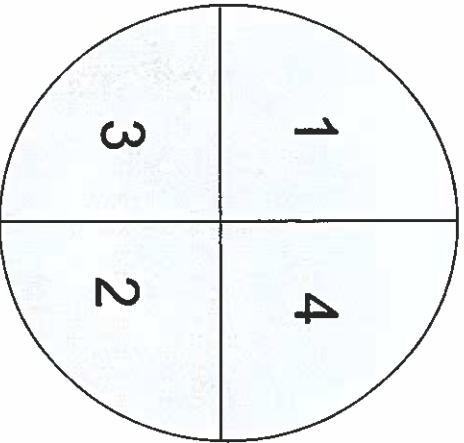


Color the same tree (and you, too!) in autumn. 8

# To Build A Fire



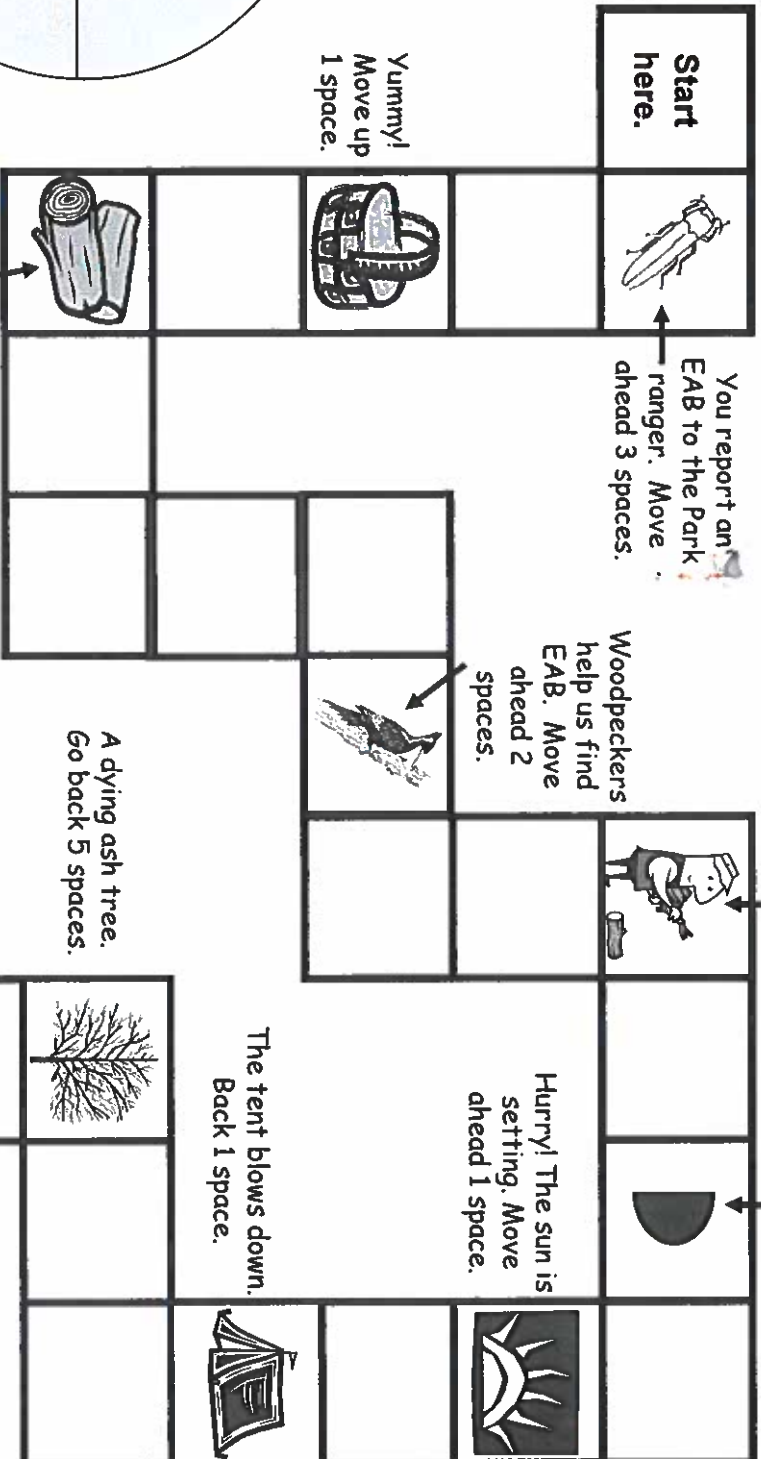
It's going to be a chilly night! Mr. and Mrs. Jones need to build a campfire. Help them find the right firewood before it gets dark.



**Spinner**

**How to play:** You need 1 or 2 people to play this game. Find a small, straight twig to use on the spinner and use pebbles as game pieces. First person to find the right firewood wins!

9



Hurray! You've found firewood for sale near the campground! Good job!



10