## WE NEED YOUR HELP!



We are glad to provide these materials for free. In order for us to continue receiving funding for new materials, we need to collect information on how they are used.

Thank you for taking the time to answer the following one-minute survey.

## There are three ways to complete the survey: Scan this code with your smartphone camera Type the following link into your web browser: https://plantheroes.org/educator-survey Email your answers to: plantheroes@publicgardens.org

- 1) Job title
- 2) Name of organization you belong to
- 3) What kind of educator are you?

Teacher

Summer camp counselor

Home schooler

Public garden educator

Informal educator

Other (please describe)

4) What grade level do you teach?

Elementary (K-5)

Middle School (6-8)

High School (9-12)

Other (please describe)

5) Specify what subject area you teach:

Science

Math

Language Arts

Social Studies

Other (please describe)

6) How many students do you teach in a school year?



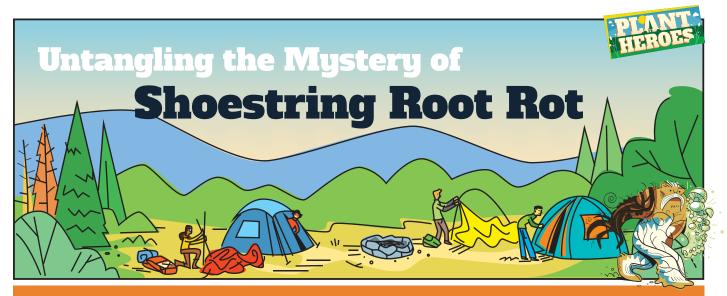
Help the Plant Heroes protect our forests by slowing the spread of pests and diseases!

## ARTAILL ARIA SHOESTRING ROOT ROT



BE A PLANT HERO! **Help the Plant Heroes** slow the spread of the Armillaria Shoestring Root Rot!





SUMMER BREAK has been great and the Plant Heroes (Aponi, Frankie, Laura and Nate) have been busy, but before starting the new school year they meet up for their annual camping trip reunion! After they pitch the tents, they start exploring the rest of the surrounding clearing and nearby forest...

Aponi discovers big clusters of honey-brown mushrooms growing and sprouting out of several old stumps.





Nate finds a few fallen trees nearby, some snapped near the base and others with roots pulled out of the ground.



Laura sees some trees around the edge of the clearing that are clearly dead but still standing. Laura chips some bark off of one and, underneath, finds some freshly decayed wood that is unusually white. Curious, she uses her hatchet to chop out a few pieces and puts them in a plastic bag in her backpack.





Frankie is practicing his climbing skills on some trees just outside the clearing and notices that a few have some yellowing needles and dead tips.

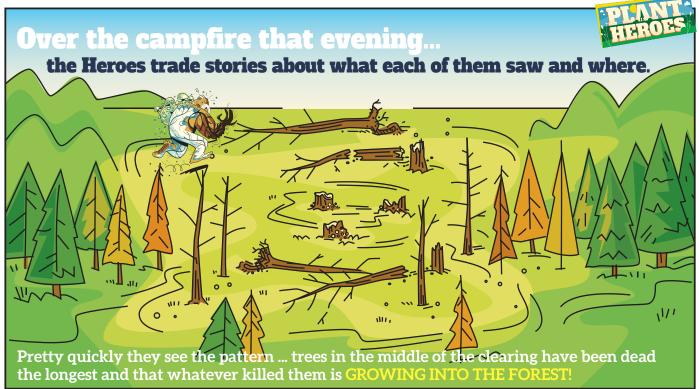
The Plant Heroes are brought to you by the American Public Gardens Association.

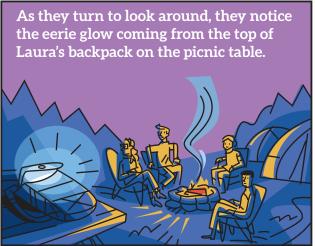
This comic was developed with financial support from the USDA — Animal and Plant Health Inspection Service and reproduced with financial support from the USDA — Forest Service. Play games and learn how you can protect plants at plantheroes.org.





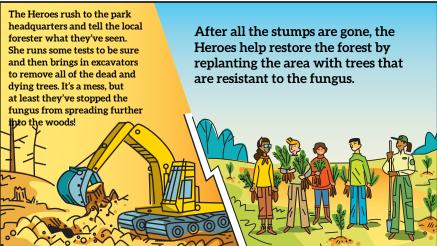












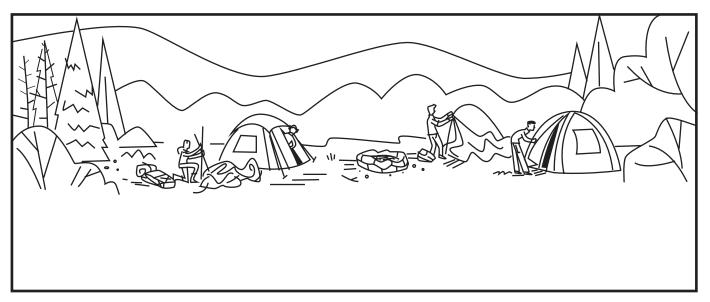


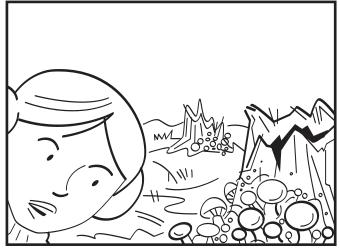




















Name
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Date\_\_\_\_

Find and circle the following words:

Mushroom Forest Roots Shoestring Grow Trunk Tree Spore Fungus

				Roots			Trunk			Fungus			
Z	F	U	N	G	U	S	S	T	U	G	R	Y	
 N	Н	M	U	S	Н	R	O	O	M	S	В	M	
 W	X	W	R	G	R	O	W	G	L	G	O	T	
 W	G	U	S	P	O	R	E	E	R	R	K	R	
 R	0	O	T	S	U	S	Н	Т	Y	O	W	O	
 F	G	S	В	M	E	F	O	R	E	S	Т	Z	
 N	X	U	Ι	J	Т	R	U	N	K	P	В	S	
 Q	E	E	S	W	A	T	T	R	E	E	E	U	
 E	K	S	Н	O	E	S	T	R	I	N	G	0	









Date

## Complete the maze and then find the words. The words can only be found along your maze path.

Bark	Gills	Fan	<b>Foxfire</b>
Spread	Mushroom	Cap	Rot
Honey	Glow	Roots	Stump

QCMUSHROOMOPVBDSFTIBNHIVNSJPDONNEQKUSXQAV										
K						G				
Q J						C		<b>∢</b> S7	TART	
K						H R				
C	KYK	MWYTR	рмотс	יד.ידים	GND		R	X		
C	F	MILIK	E	LIL	В	QDU	D	W		
END◀	Ō		R		Ā		M	Ğ		
END	X		C		R		S	В		
	F		A		K		P	P		
С	I	S	P	ORO	TBD	OQG	SYR	V		
Y	R	N		F		P	E	J		
H	E	N		A		D	A	Q		
W	H	N		N		Y	D	Ū		
M	0	N		U	DONNE	A	P	J		
A B	N E	WRO	OTSKE	IYSTUM	PGNXI	IKT	K	C S		
A	Y							C		
G	H							P		
В	A							V		
UJG	UCGYN	DINWS	LHWGL	OWIAJ	GVVWR	FXTTG	ILLSO	QNH		







## **Coloring Page**







# Plant Heroes Pledg

This Certifies That

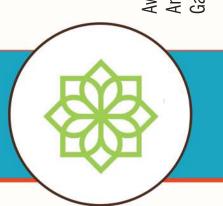
is an Official Member of the Plant Heroes Team and pledges to:

Learn about the pests and diseases that affect the plants in my region

Be on the lookout for symptoms of pests and diseases on trees in my neighborhood

Report any suspicious findings to an adult who can notify the local extension agent

Refrain from moving firewood



Awarded by the American Public Gardens Association





## Join our team of Plant Heroes and learn about trees, forests, and the natural world around you!

## **PLANTHEROES.ORG**

## You can be a Plant Hero!

Are you curious about plants and animals? Do you like asking questions about nature? Do you enjoy being outdoors and having fun, climbing trees, balancing on logs, or finding a new butterfly or beetle? If so, you are already on your way to becoming a Plant Hero! We invite you to join forces with Nate, Laura, Aponi, and Frankie to protect the plants and ecosystems we all love.

## How can you become a Plant Hero?

Join our team and go on a journey with Nate, Aponi, Laura, and Frankie. As a Plant Hero, you will learn to notice when plants are in trouble. You will also find out ways you can act quickly to help find solutions in your own neighborhood. Follow their adventures and learn how they help plants and ecosystems stay healthy.

On the Plant Heroes website, you will find materials to help you learn about plants, forest health, and ecosystem balance. The more you know, the more you can help protect plants and ecosystems in your own yard, neighborhood, and community!

Plant Heroes strives to spark curiosity about nature and science in all children. Our program provides hands-on, nature-based learning materials for educators to engage children in topics of plant health, ecosystem balance, and forest health. We also spotlight the amazing work our public gardens do in protecting the plants and ecosystems we all depend on through our website and printed materials. Visit plantheroes.org today to learn more!

Plant Heroes is brought to you by the American Public Gardens Association, founded in 1940. Over the last eight decades, the Association has supported the work of public gardens in North America and beyond. Our mission is to champion and advance public gardens as leaders, advocates, and innovators in the conservation and appreciation of plants. Our vision is "A world where public gardens are indispensable" as they provide botanic, conservation, community, education, and economic resources to their community.

The Association is committed to increasing the knowledge of public garden professionals throughout North America through information sharing, professional development, networking, public awareness, and research, so that they have the tools to effectively serve visitors and members.



PublicGardens.org



