

NAME: _____

WILDLAND FIRE HOMESCHOOL LESSON

SNOHOMISH REGIONAL FIRE AND RESCUE



FILL IN THE BLANK

Directions: Fill in the blanks with the following vocabulary words.

Topography Back Burn Biotic Abiotic Ecosystem

_____ describes the physical features of an area of land.

_____ is made up of all of the living (_____) and nonliving (_____) things in an area.

To fight fire with fire or to set controlled fires to eliminate the fuel in the path of a wildfire is called _____.

HIDDEN PICTURES

Directions: Find the squirrel, pine cone, and mushrooms, Color the picture.

Then, label 3 living things (biotic) and 1 nonliving thing (abiotic).

Native plants and animals depend upon each other.



[Image found online at this link.](#)



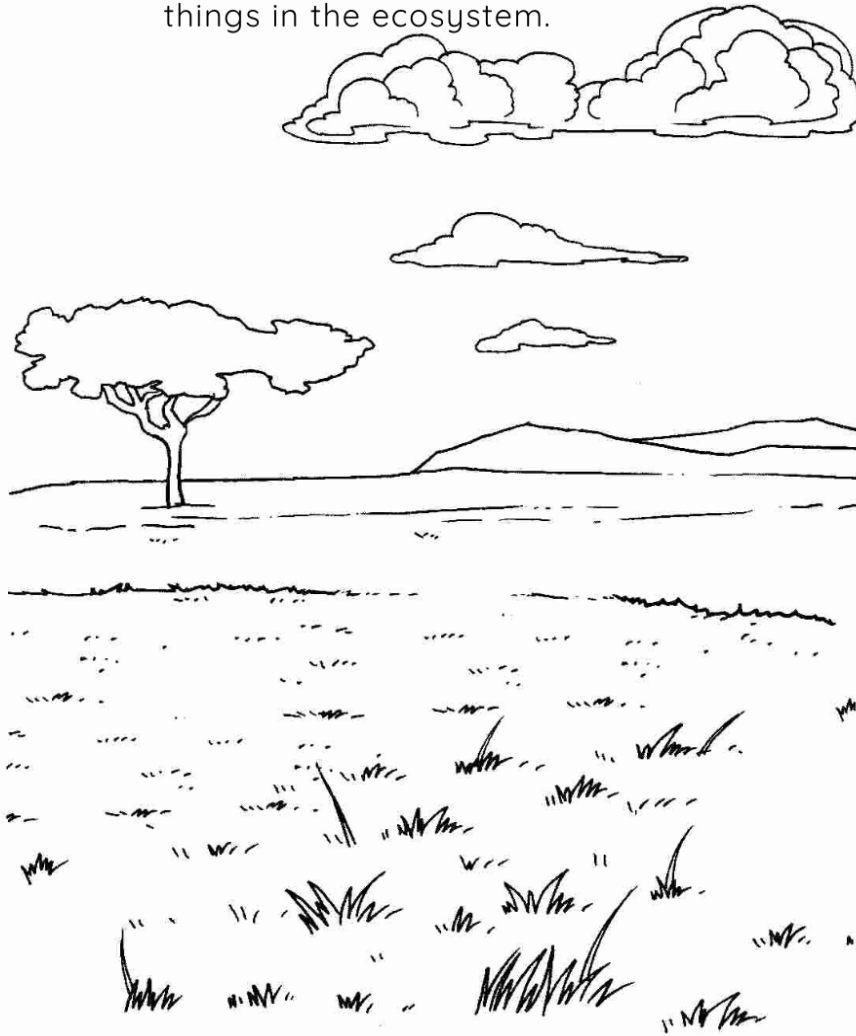
Curriculum developed by: Snohomish Regional Fire and Rescue

Funding: MT Native Plant Society & L&C Conservation District



COLOR

Directions: Color the plains, and draw 3 other biotic, or living, things in the ecosystem.



Plains

COMPARE AND CONTRAST

Directions: Write 5 differences between wildland fire and a structure fire:

1. _____
2. _____
3. _____
4. _____
5. _____

[Image found online at this link.](#)





Smokey's Forest Science

The Story of Smokey Bear



The time? The early 1950's. *The place?* A forest in New Mexico. *The situation?* An American black bear cub surrounded by a raging wildfire climbs to the top of a tree to escape the flames. What happens? He survives—thanks to firefighters who find and rescue him. They name him Smokey and send him to live at the National Zoo in Washington, D.C.

This real life Smokey Bear became the living symbol of the Forest Service's Smokey Bear campaign that—to this day—works to educate the public about wildfire prevention. Smokey Bear needs your help now more than ever. If our nation's wildlands (forests, grasslands, and rangelands) are destroyed by fire, Smokey and his animal friends have no home and you can't enjoy the great outdoors. It can take your lifetime or longer for a forest to recover from a disastrous wildfire.

Whenever you are on a trip in our nation's forests, be sure to remember Smokey Bear's important message—
Only you can prevent wildfires.

Part A. How much do you know about the ecology of wildlands and other natural areas? Take Smokey's True/False quiz to find out!

- _____ 1. Heat, oxygen and fire make up the fire triangle, a term that explains the elements of fire.
- _____ 2. Fire is a natural part of most forest ecosystems.
- _____ 3. Prescribed fire, or the setting and controlling of fire in wildland areas by firefighters, is something that is done only to practice firefighting skills.
- _____ 4. A high danger of wildfire exists when the weather is hot, dry, or windy, or when thunderstorms occur.
- _____ 5. An average of 1,000 wildfires occurs each year in the United States.
- _____ 6. Firefighters can only put out wildfires with water.
- _____ 7. Fire is harmful to every kind of tree and vegetation found in the forest.
- _____ 8. From 2001 to 2006, 8 out of 10 wildfires were started by people.
- _____ 9. Forests experience good fires and bad fires.
- _____ 10. Currently, the number of wildfires has decreased in the United States.

Part B. Use Smokey's Field Research Notebook to investigate the natural cycle of fire and its impact on forest vegetation in different areas of the United States.

Smokey's Field Research Notebook

Area of United States _____

Forest type _____

Frequency of natural fires _____

Forest adaptations to natural fires _____

Effects on forest without natural fire



Go to www.smokeybear.com to find out more about how you can help.





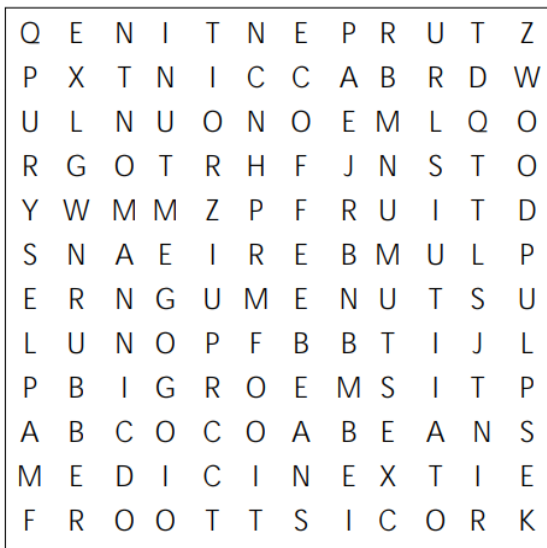
Forest Treasures

Part A. Wildlands and other natural areas cover almost one-third of the Earth's land, and they are home to many different kinds of plants and animals. Forests also give us many resources. Can you find some of them in the Word Search below? Do you know what are they used for?

Part B. Besides giving us many different products we use every day, forests also have other important jobs. They provide oxygen for us to breathe and they absorb carbon dioxide to help fight global warming. They also offer beautiful settings where people can play and relax.

Word Search Words: cinnamon, cocoa beans, coffee beans, cork, fruit, gum, lumber, maple syrup, medicine, turpentine, nutmeg, nuts, rubber, and wood pulp

In what ways do your family and friends enjoy our nation's wildlands? Use the chart below to conduct a survey and find out.



Forest Recreation Survey

My favorite way to enjoy the forest is _____

Name	Friends and Families Favorite Forest Recreation Activity
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

Use the information to help your teacher make a graph of everyone's favorite forest activities.

Choose one product from the search above. Create a chart and follow the product from its forest roots to the final product. Use the back of this paper to record your findings.



Go to www.smokeybear.com to find out more about how you can help.

