

Welcome to the Junior Ranger Program

There are over 420 National Park Service sites across America. Each park tells part of America's story. New River Gorge National Park and Preserve, Gauley River National Recreation Area, and Bluestone National Scenic River are part of this national park system.

Junior Rangers care for these special places and help others learn about this rich heritage. As a Junior Ranger you will ...

- **Explore:** Explore fantastic places in parks that make these sites treasures of America.
- **Learn:** Learn about the natural and cultural things that make these parks special places.
- **Protect:** Help protect these parks for the enjoyment of present and future generations.

Find out more about New River Gorge National Park and Preserve at **www.nps.gov/neri** plus all National Park Service sites at **www.nps.gov**.





Earn a Badge

Here's how you can become a Junior Ranger (earn a badge) at New River Gorge National Park and Preserve.

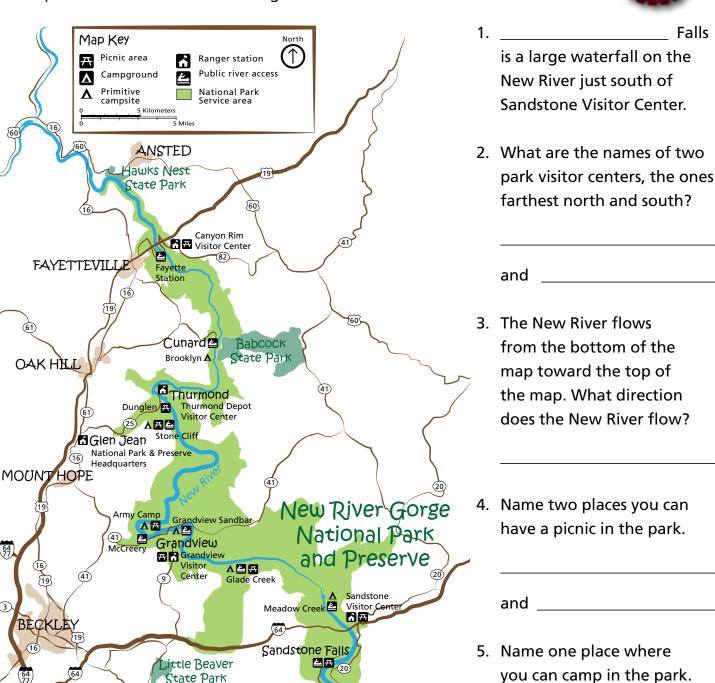
Everyone:	Complete at least four green ribb	oon a	ctivities plus requirements for your	age.
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	lue Visit the Visitor Centers	16	or watch the park film	
	Arrowhead Symbol	19	☐ Interview a ranger	22

	If you are 5 to 9 y	ears old:							
Complete at least four red ribbon									
acti	vities.								
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four blue ribbon activities.		200						
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Fun with Maps

Find your way around the park using a park map. Use the map below to answer these questions about New River Gorge National Park and Preserve.



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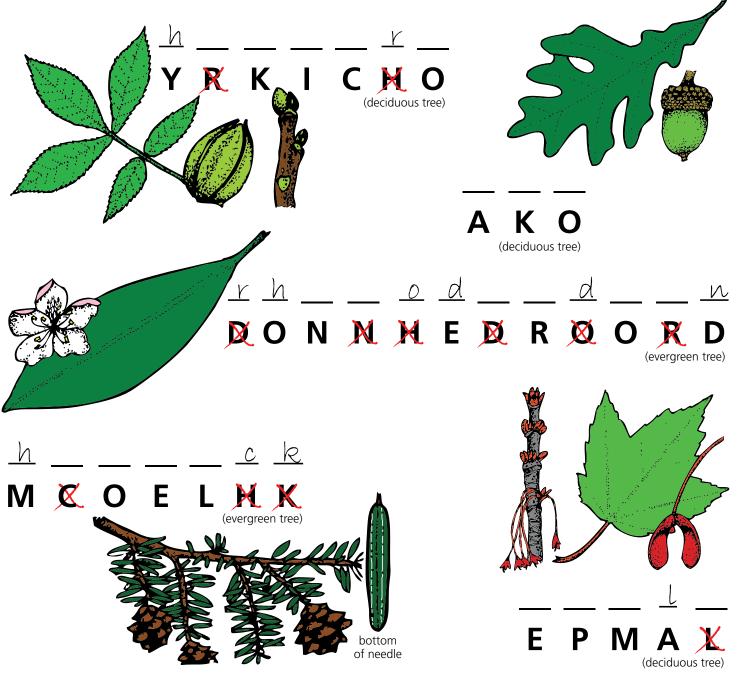
6. Name one place where

boaters can access the river.

Leafy Green Tree Hunt

There are over 1,500 types of plants that grow in the New River Gorge. Some trees are evergreen that keep their green needles and leaves year-round. Most trees are deciduous. The leaves of these types of trees change color in the autumn and drop to the forest floor as these plants prepare for the cold winter season.

Identify these common leaves below by unscrambling the letters of each tree's name.



What's For Lunch

Everyone has things they like to eat. Don't you? Animals have favorite foods, too.

Serve up the best, most nutritious meal for each animal below. Find each animal's favorite foods in the food menu, then put that food group number on each animal's plate.

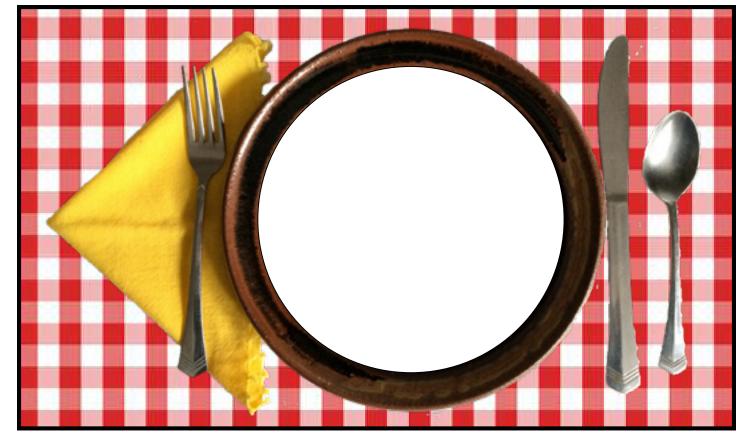






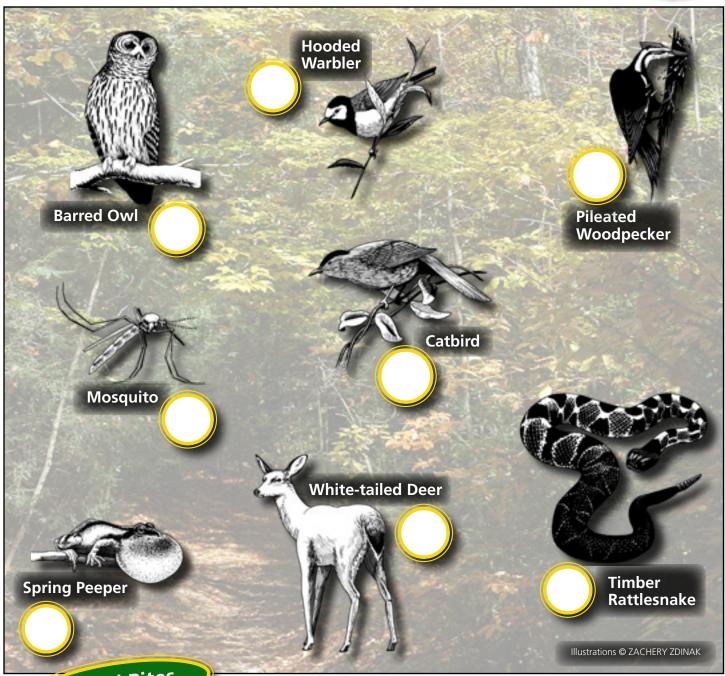
What did you have for lunch?

Draw a picture of a food you like to eat while on a picnic or camping on the plate below.



Sounds Like ... a Call in the Wild

Nature is amazing in so many ways, including the sounds made by creatures in the wild. Look through the **sound bite** clues below and match the critter to its sound number.



Sound Bites

"Who, who, who cooks for you?" It sounds like I'm hungry in the night.

6 "Peep, peep, peep" I say my name. My favorite season is in my name too.

2 "Meow, meow" I sound like an animal that lives with people.

6 "Knock, knock, knock ..." I work through wood to get my insect food.

3 "Bzzzzzzzzzzz" I'll try to whisper a secret in your ear.

I'll warn my friends with an airy puff when you're near.

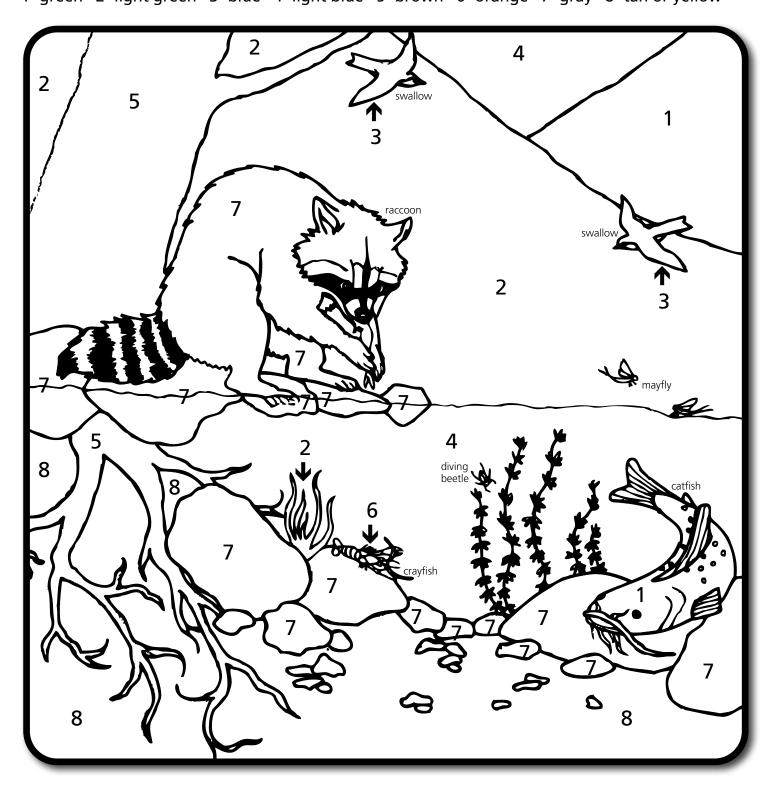
4 "Rattle, rattle, rattle" I'll warn you when you're too close for my comfort.

"A hood, a hood, a hood on me" Do you like my black hat?

Life Down Under

Flowing water is an important part of nature. Find it in a large river or a small stream. There is so much life to discover in the water and along the water's edge.

Follow the color-by-number code below to reveal who lives in a river habitat. 1=green 2=light green 3=blue 4=light blue 5=brown 6=orange 7=gray 8=tan or yellow



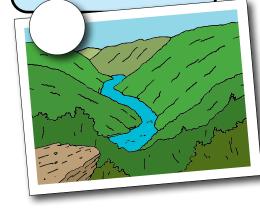
Rockin' Geology

Don't be fooled by its name, for the New River is one of the world's older rivers. How do geologists tell the age of a river? Younger rivers usually contain rapids and waterfalls that carve deep, V-shaped gorges, while older rivers slowly meander across wide, flat floodplains. The New River has characteristics of both ages and continues to cut away at the land. This is a place of geologic change!

Put these geologic events in the order they occurred. Mark 1 as the oldest event in time and 5 as the youngest (today).

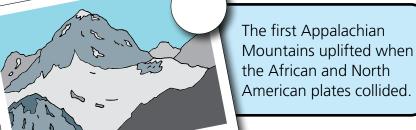
Illustrations NPS / DAVE BIERI

Today known as the New River, this powerful waterway continues to carve one of the largest and deepest gorges in the Appalachian Mountains.

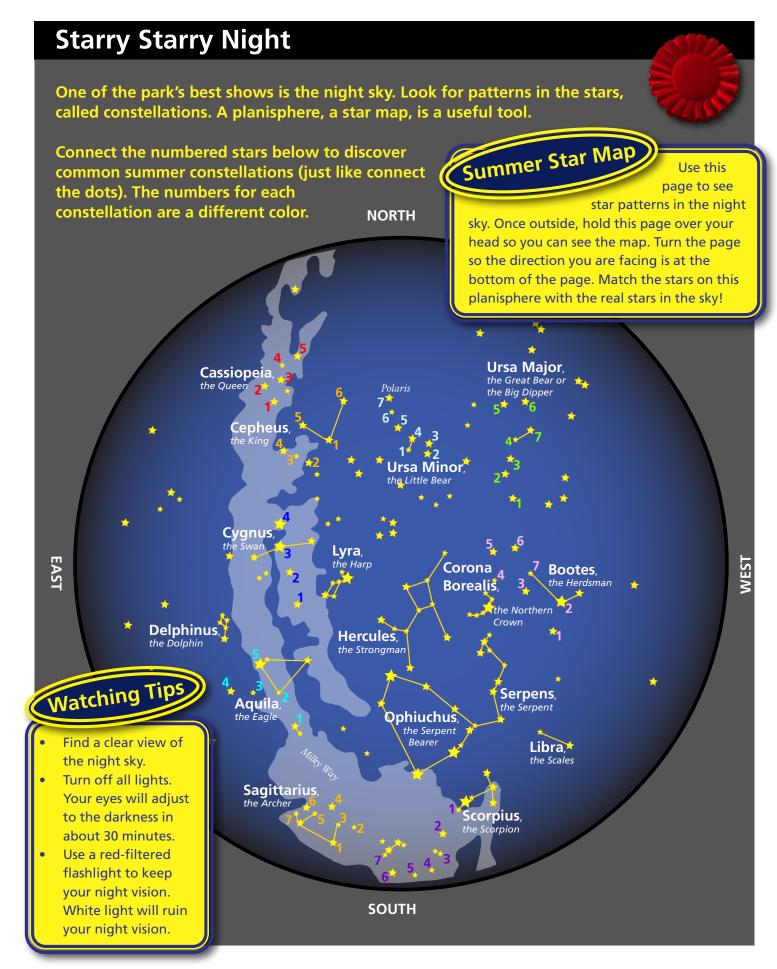


After the first mountains rose, streams flowed down the mountainsides. Water collected in the bottom lands. Rich in plants, swamps formed here. (Millions of years later, the remains of these swamps became the hard layers of coal that people use today.)

Even after the swamps formed, water still carved away the first mountains. All that sand and rock (sediment) finally covered the swamps, but water still moved here. The Teays River flowed north across the now flat bottom lands.



Then the mountains started to grow again, building the Appalachian Mountains we know now. This happened so slowly that the Teays River was able to cut across the emerging ridges.



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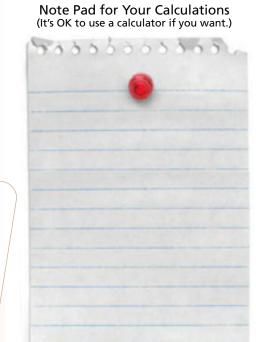
Time Travel

How people traveled through the New River Gorge has changed over time. The area's earliest people traveled by foot or on horseback, but machines have aided our locomotion for over 100 years now.



Figuring out how long it takes to get from one place to another can be useful as you plan your next park adventure. Use the equations below to see if you can calculate the average time it took these New River Gorge travelers of the past to get from one place to another.





Bonus Present Pay

Cross the New River Gorge Bridge in a Car

Speed limit on the New River Gorge Bridge (WV Route 19) is 65 mile per hour, which is equal to 95 feet per second. How long does it take to drive across the New River Gorge Bridge in a modern car?

seconds

Coal Town Tales

Coal was "king" in the New River Gorge for over eighty years. People came from near and far to work in the coal mines and build area communities around 1900.



Use the **Decoder Key** below to discover more about the park's rich coal mining history.

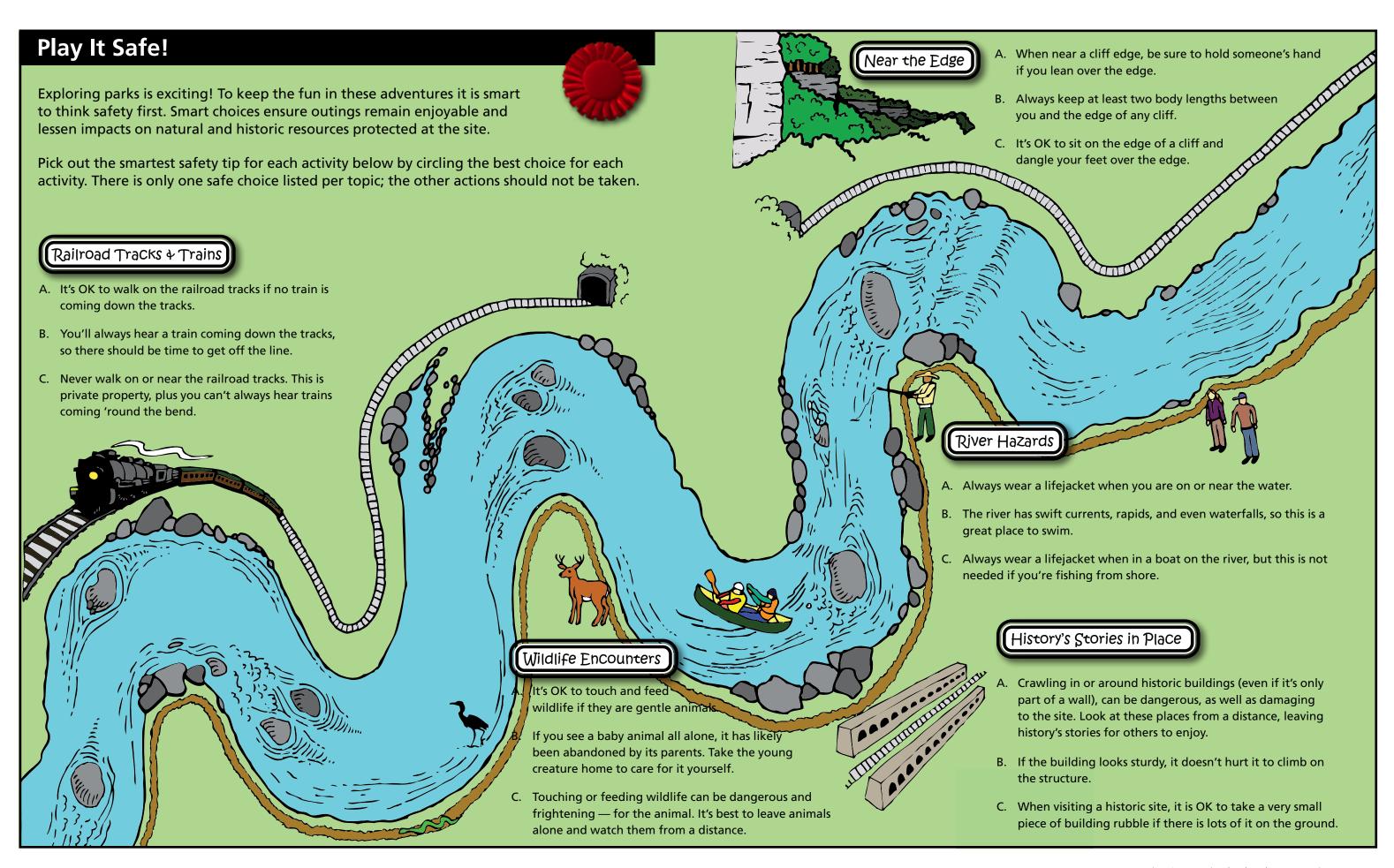


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Leave No Trace and You



We each visit national parks for different reasons. People hike, boat, camp, explore nature and history, and more in these parks. Trace With so much to see and do at each site, all of us can take easy steps to help care for these special places by practicing Leave No Trace Outdoor Ethics.

Take the smartest outdoor ethics action for each activity example below.

These seven guiding principles of outdoor ethics can help us take wise actions when playing outdoors.

- Know Before You Go (Plan Ahead and Prepare)
- Choose the Right Path (Travel and Camp on Durable Surfaces)
- Trash Your Trash (Dispose of Waste Properly)
- Leave What You Find
- Be Careful With Fire (Minimize Campfire Impacts)
- Respect Wildlife
- Be Kind to Other Visitors (Be Considerate of Other Visitors)



Leave What You Find

You see a beautiful wildflower along a park trail. Circle ALL the best ways to share this plant with others, ways to "take it with you" without really taking the wildflower away from its natural habitat.



Take a photo



Pick the flower



Draw a picture



Take others to it

Respect Wildlife You see a fawn (baby deer) in the park. No adult deer seems to be around. What should you do? Check the best choice for this young animal. Take the fawn home. Leave the fawn alone. Feed the fawn and hold it until the mother deer comes back

Learn more about outdoor ethics techniques at the Leave No Trace Center for Outdoor Ethics www.LNT.org 1-800-332-4100

Take a Hike

Choose one of the trails in the park to hike with your family. Keep track of cool things you see along the way, plus draw a picture of one of nature's wonders. Have a great hike!

Trail Name: _____

Discovery Journal Make your hike a discovery adventure.
Check off the things you see on your walk, plus add more details if you like.
☐ historic building
☐ bird
□ animal
□ insect
□ tree
□ flower
-



Nature Sketchbook

Draw a picture of a plant or animal that you saw on your hike.

Visit the Visitor Centers

Stop by at least one visitor center in New River Gorge National Park and Preserve. Explore the area and answer that site's questions below. Get the passport cancellation stamp too. National Park Service photos

Canyon Rim Visitor Center

(open year-round) *See exhibits inside the visitor center.

1. List two pieces of equipment used for a safe river trip.

A)			
B)			

2. The flat-topped plateau of the New River Gorge is part of what eastern U.S. mountain range? (circle one)

A) Appalachian

C) Rocky

B) Sierra-Nevada

D) Cascade

Thurmond Depot Visitor Center

(open summer) *See inside and outside exhibits near the visitor center.

1. Thurmond depot was once one of the busiest passenger train stops in the New River Gorge. In the booming year of 1910, this Chesapeake & Ohio (C & O) station served how many passengers? (circle one)

A) 21,000

C) 15,000

B) 75,000

D) 120,000

2. The C & O Railway carried freight and passenger trains. Some people used the tracks in secret, like hobos. Draw a line to match the codes left by hobos to send messages to one another:

















Beware of Dog

Freshwater Safe Camp

Good Place to Catch a Train

Kind Lady

Sandstone Visitor Center

(open seasonally) *See exhibits inside the visitor center.

1. Go to **You Are Here** on the visitor center floor map. The Bluestone River runs through a nearby national park, Bluestone National Scenic River. Which direction is the Bluestone River from **You Are Here**? (circle one)

A) north

C) south

B) east

te Passport Cancellation

Site Passport Cancellation

D) northwest

2. Each of us can help protect our watersheds by being careful with how much water we use. How much water would a person waste if they left the faucet running while brushing their teeth? (circle one)

A) 3 gallons

C) 5 gallons

B) 1 gallon

D) 10 gallons

3. Many people have made these mountains their home over time. Who were the earliest people to live here? (circle one)

A) pilgrims

C) American Indians

B) Italian immigrants

D) Irish immigrants

Grandview Visitor Center

(open summer) *See outside exhibits near the visitor center.

1. The eastern hemlock tree is facing challenges throughout the region. This evergreen tree is being attacked by invading insects, a type of aphid. What invasive insect is killing hemlock trees in the New River Gorge? (circle one)

A) woolly adelgid

C) Asian longhorned beetle

B) emerald ash borer

D) gypsy moth

2. Great and catawba rhododendrons grow at Grandview. These large shrubs have showy blooms in the spring and early summer. Great rhododendron is the state flower of West Virginia. (circle one)

True or False



Site Passport Cancellation

Search the Gauley

Gauley River National Recreation Area is a nearby National Park Service site. The Gauley River is well known as one of America's most challenging rivers for whitewater boating, with a six week season each autumn. Find exciting elements of a local whitewater adventure in this word search.

ı	L	0	S	T	P	Α	D	D	L	E	K	S	T	Α
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Find names of river rapids:

Insignificant Lost Paddle Iron Ring Pillow Rock Koontz Flume Sweets Falls

Find this river gear:

paddle helmet lifejacket raft kayak throw bag

Find these river features:

current rapid eddy rock put-in take-out

BONUS: find this river's name

The BLUE's Clues

Bluestone National Scenic River is another nearby National Park Service site. The Bluestone River Gorge is home to many different animals. Each critter may leave a clue to their presence, like tracks, scat (poop), nest, and more. Draw a line to connect the animal to its tracks.





















Arrowhead: National Park Service Symbol



Wherever you see this symbol in America, know that you are in a special place, a National Park Service site. This symbol shows what is preserved in national parks. See the parts of the arrowhead below.





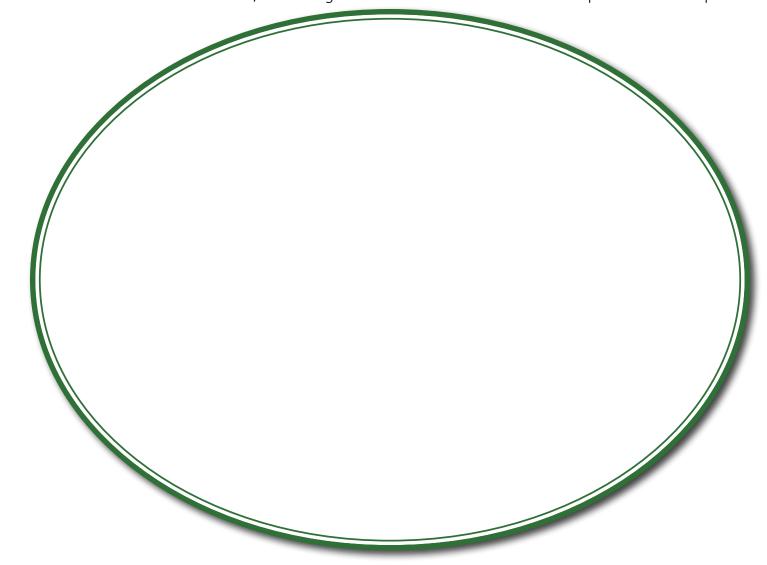






My New River Gorge National Park and Preserve Symbol:

What things are protected in New River Gorge National Park and Preserve? What are some of your favorite things to do in this park? What are your favorite parts of this park? Think about this and design a symbol for this National Park Service site, something that would let others know what is special about this park.



Find Your Parks

National parks protect America's scenery, natural and historic objects, and wildlife.

These parks are places to have fun, yet protect these resources so people of the future can enjoy these special places too. There are over 420 National Park Service sites in America.

Use the clues below to see what is special about these parks. Put the park number in its clue box.

 $\ensuremath{\mathsf{NPS}}$ / DAVE BIERI, and © BILL DOWLING



Fun on the Job

Park staff at New River Gorge National Park and Preserve have different jobs.

They work together to preserve park resources for present and future generations.

Draw a line to connect the National Park Service employee to their job.



Attend a ranger-led program or watch a park video. Write down three things that you learned. If a program is not scheduled during the time of your visit, watch the park movie at Canyon Rim or Sandstone Visitor Centers. You could also watch a video on the park's website or Facebook page. (www.nps.gov/neri or www.facebook.com/newrivergorgenps)

Name of the program/video:
Three things I learned during this program:



Three things I learned during this program:

1	
2	

`			
≺			

Interview a Ranger

Talk with a park ranger. Ask questions about their job, their school background, or the park. Question and answers can be written below or asked orally for this interview.

Name of ranger: ______ Date: _____

Question #1:			
Ranger answer:	 	 	
Question #2:			

Ranger answer: _.			

Question #3: _____

Ranger answer:

Junior Ranger
New River Gorge National Park and Preserve



This certifies that

Pledge Junior Ranger

has successfully completed all the requirements to become a New River Gorge National Park and Preserve Junior Ranger and pledges to protect all national parks for future generations.



Park Ranger signature

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Address:		
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Ψ		

Name:



National Park Service U.S. Department of the Interior

New River Gorge National Park and Preserve P.O. Box 246 Glen Jean, WV 25846