

## **JUNIOR FOREST RANGER QUIZ**

1. Campfire permits are required for: (a) indoor fireplaces; (b) outdoor areas, depending on local laws; or (c) lighting Halloween pumpkins.
2. The safest way to start a campfire is with: (a) a pile of leaves; (b) gasoline; or (c) small pieces of kindling wood.
3. The best place to ask where forest campfires can be built is: (a) sheriff's office; (b) sporting goods store; or (c) ranger or fire warden stations.
4. When staying overnight in the forest, before going to bed you should: (a) place heavy logs on the fire; (b) put out your campfire; or (c) arrange to get up every 2 Hours to check the fire.
5. When you see a bear in the forest, parks or zoo, you should: (a) pull his fur, (b) chase him with a stick; or (c) stay away from him. Do not feed or pet him. Bears are wild animals and considered dangerous at all times.
6. To cook properly over a campfire, you should: (a) cook over the flames of a large fire (b) build a small fire and cook over the hot embers; or (c) burn a lot of paper to make the fire hot.
7. The best way to put out a campfire is: (a) inside a rotten log or stump; (b) under a green tree; or (c) in a clear open space away from trees.
8. For camping or burning trash, the following is the most important and practical tool to carry in a car. (a) shovel; (b) bucket of water or (c) wet blanket.
9. If a fire gets out of hand, you should: (a) get your parents and run to your car and drive away; (b) report it immediately to a forest range; or (c) get other Jr. Forest Rangers to come fight the fire.
10. If your clothes happen to catch on fire you should: (a) keep calm, do not run, roll a blanket around you to smother flames (if no blanket is handy. just lay down on the ground and roll to smother the flames); (b) run for help; or (c) jump up and down really fast.
11. Camp matches should be: (a) kept in a metal container, (b) stored near outboard motor fuel; or (c) placed in the hot sun.
12. The safest way for an adult to light A cigarette is: (a) use a cigarette lighter (b) strike match on a nearby rock; or (c) use paper book matches and throw into grass when finished.
13. A person who is careless and starts a forest fire: (a) is made honorary fire chief; (b) receives a fire prevention award; or (c) can be fined and sent to jail.
14. Well-managed forests give us: (a) Smoky Bear; (b) wood, water, wildlife, grass and outdoor fun; or (c) just lumber, paper, and walnuts.
15. A match or cigarette thrown from a car window: (a) is permissible if no one is looking; (b) is permissible if it looks like it has gone out; or (c) is never safe.
16. A windy day is a good time: (a) to burn trash; (b) to start a campfire; or (c) not to start a fire.
17. A trash burning incinerator should be: (a) well equipped with a good spark arrester; (b) placed under a tree for shade; or (c) used only on windy days.
18. Before lighting an open fire: (a) people should leave the neighborhood; (b) local fire laws should be checked and obeyed; or (c) help prevent forest fires.
19. Junior Forest Rangers: (a) put out forest fires; (b) start forest fires; or (c) help prevent forest fires.

## **Sensory Bingo**

Play this game while discovering the out-of-doors. As you complete each activity, cross out that square. Can you cross out five squares in a row? More than one row of five squares? The example given can be revised to meet the characteristics of the area you're in, the time of the year, etc. GOAL: To help boys explore the natural world using all their senses.

Find a tree that has changed to something else	Find a nest and two insects.	Smell pine needles	FREE SPACE	Find an animal track
FREE SPACE	Find an ant	Collect seeds from a tree, plant some	Find a bird feather	Name 3 things a tree needs in order to grow
Find a Fossil	Estimate the height and circumference of a tree taller than you	FREE SPACE	Touch Moss	Find a place where erosion is going on
Do something to help a tree	Find examples or evidence of pollution	Find a frog but leave him with his mother	Find the youngest tree and the oldest tree	FREE SPACE
Examine tree scars to find evidence that the tree has repaired an injury	FREE SPACE	Pick up one piece of litter	Identify a wild flower	Find a tree shaped by nature

**Answers to Jr. Forest Ranger Quiz:**

1. b 2. c 3. c 4. b. 5. c 6. b 7. a 8. a 9. b 10. a 11. a  
 12. a 13. c 14. b 15. c 16. c 17. a 18. b 19. c

7- 19 correct .Official Jr. Forest Ranger  
 8 -11 correct .Jr. Ranger in Training

12 -16 correct .Jr. Forest Ranger  
 0 -7 correct .need to study some more

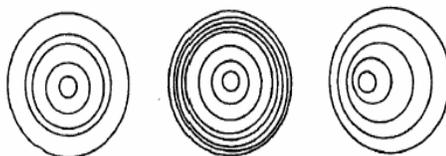


● Find a smooth-cut stump or log end, and look closely at the pattern of growth rings.



● There is a layer of wood for each year of growth. Some tree kinds will show light spring wood and dark summer wood in year's growth. Count annual rings low on the trunk to find the tree's approximate age.

1. Drought years cause occasional narrow growth rings.
2. Crowding causes zones of narrow rings.
3. A leaning tree has rings narrower on one side than the other. A tree on a clearing edge may have similar uneven rings.



● Look for branches deep within the wood-also for insect and disease damage. What kind of life has your tree had?