Study Questions

to “Search and Rescue, Detect and Solve”

Study and learn facts and ideas based on this Young Naturalists nonfiction story in Minnesota Conservation Volunteer, March–April 2017, www.mndnr.gov/mcvmagazine.

_Minnesota Conservation Volunteer_ magazine is your guide to wild things. Every other month, six times a year, the magazine arrives in your school library. Each one has a story for Young Naturalists like you. Are you curious about wild things? Young Naturalists tells true stories that can answer all kinds of questions such as these—

**Have you ever heard of a purple wartyback?** How about a pink heelsplitter, pimple-back, or monkeyface? All are Minnesota freshwater mussels. Read Young Naturalists stories to learn which species (kinds) of critters live in Minnesota—frogs, salamanders, snakes, wild cats, wild dogs, weasels, mice, and rabbits.

Want to peek inside the den of a red fox and see how the kits grow up? Are you a rock hound searching for agates? Have you ever wondered what's alive under snow? How animals see? Why is a bluebird blue? How birds fly?

Would you like to hear the true story of giants of the ice age? Young Naturalists also tells you about the underground universe. You can read the story of a tiny owl that went to a hospital with an injured wing. Find out about a boy who worked in a logging camp. Read the story of Ojibwe children today hunting and gathering like their ancestors did.

Learn how to get started camping, snowshoeing, ice fishing, or canoeing.

Find these stories and more online at www.mndnr.gov/young_naturalists.

Your knowledge of wild things helps you explore and enjoy the outdoors. Have fun!

Prepared by Jack Judkins, Curriculum Connections Minnesota
“Search and Rescue, Detect and Solve” Study Questions

Study and learn facts and ideas based on this Young Naturalists nonfiction story in Minnesota Conservation Volunteer, March–April 2017, www.mndnr.gov/mcvmagazine.

1. What kind of laws do conservation officers enforce?

______________________________________________________________________
______________________________________________________________________
______________________________________________________________________

2. How did the man lost in the swamp let others know that he needed help?

A. He shot a distress signal from his shotgun.
B. He waved his blaze-orange hunting vest.
C. He launched a drone.
D. He called 911.

3. How did a drone help conservation officers rescue a man stuck in a cattail swamp?

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______________________________________________________________________
______________________________________________________________________

4. Why did Conservation Officer Salzer ask the lost man to take off his blaze-orange hunting vest?

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______________________________________________________________________
______________________________________________________________________

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______________________________________________________________________
______________________________________________________________________
5. Why did COs Bertram and Johanson take the three men to jail?

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

6. What clues helped COs Bertram and Johanson?
   A. three dead deer
   B. a sales receipt from a gas station
   C. a signature
   D. a confession
   E. all of the above

7. Why is it illegal to shoot a deer from the road?

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

8. How would snow have helped the COs solve the “Follow the Nose” case?

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____________________________________________________________________
____________________________________________________________________

9. What did Brady use to find the shotgun shell?

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____________________________________________________________________
____________________________________________________________________

10. What does it mean to field-dress a deer?
    A. shoot it
    B. tie its legs together so it can easily be hauled away
    C. put old clothes on it so it stays fresh
    D. cut it open and remove its internal organs

Challenge: The Carlos Avery Management Area covers 25,000 acres. How many hectares does it cover? How many square miles?
1. Another name for conservation officer is:
   A. peace officer
   B. deputy sheriff
   C. CO
   D. A and C
   E. all of the above

2. What is a drone?

3. Why did the man stuck in the swamp have trouble telling rescuers where he was?
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

4. Why did COs Keith Bertram and Jeff Johanson stop to investigate a beam of light on their way home from patrol? Use details from the story to support your answer.
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

**Student Study Guide: Vocabulary**

**Adrenalin**  a chemical inside animals that increases blood flow in response to stress or exercise

**Caper**  an unplanned or illegal adventure

**Drone**  a flying machine that doesn’t carry a pilot

**Game**  animals that are hunted

**Honed**  improved or sharpened

**Patrol**  move in an area while protecting or watching something

**Safeguard**  something that promotes safety

**Shell**  part of ammunition that holds gunpowder and the projectile

**Spent**  used up

**Firearm**  gun
**Student Study Guide: Vocabulary cards**

Cut along horizontal lines, fold in the middle and tape or staple. Blanks are provided to allow you or your students to add new words or phrases.

<table>
<thead>
<tr>
<th>A chemical inside animals that increases blood flow in response to stress or exercise is</th>
<th>Adrenalin is</th>
</tr>
</thead>
<tbody>
<tr>
<td>When people have an unplanned or illegal adventure, you might say they are on a</td>
<td>A caper is</td>
</tr>
<tr>
<td>A flying machine that doesn’t carry a pilot is known as a</td>
<td>A drone is</td>
</tr>
<tr>
<td>Another name for animals that are hunted is</td>
<td>Game is another name for</td>
</tr>
<tr>
<td>When something is honed, it is</td>
<td>A word that describes something that is improved or sharpened is</td>
</tr>
<tr>
<td>When you are on <strong>patrol</strong>, you are moving in an area while protecting or watching something <strong>is known as being on</strong></td>
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<tr>
<td>A <strong>safeguard</strong> is <strong>something that promotes safety</strong> is a</td>
<td></td>
</tr>
<tr>
<td><strong>The part of ammunition that holds gunpowder and the projectile</strong> is known as the <strong>shell</strong> is</td>
<td></td>
</tr>
<tr>
<td>When something is <strong>spent</strong>, it is When something is <strong>used up</strong>, it is</td>
<td></td>
</tr>
<tr>
<td>Another name for a <strong>gun</strong> is <strong>firearm</strong> is another name for a</td>
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