

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.

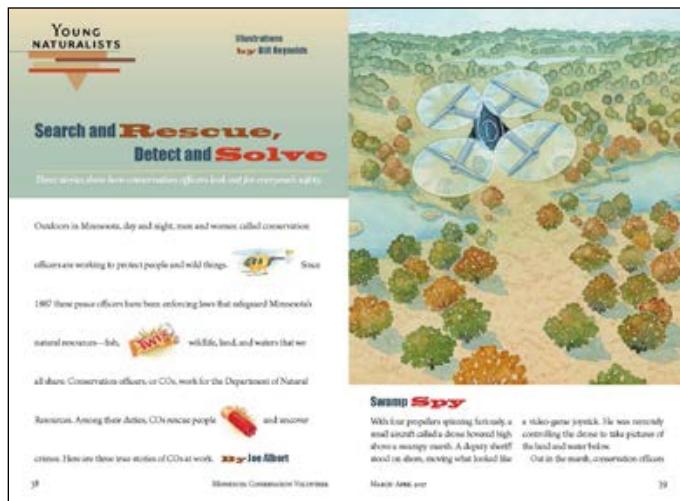
Learn how to get started **camping, snowshoeing, ice fishing, or canoeing**.

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!

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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 CATTAI SWAMP?

4. WHY DID CONSERVATION OFFICER SALZER ASK THE LOST MAN TO TAKE OFF HIS BLAZE-ORANGE HUNTING VEST?

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?

9. WHAT DID BRADY USE TO FIND THE SHOTGUN SHELL?

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?**

MINNESOTA COMPREHENSIVE ASSESSMENT

NAME _____ PERIOD _____ DATE _____

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

A CHEMICAL INSIDE ANIMALS
THAT INCREASES BLOOD
FLOW IN RESPONSE
TO STRESS OR EXERCISE is

FOLD

ADRENALIN
is

WHEN PEOPLE HAVE AN
UNPLANNED OR ILLEGAL
ADVENTURE, YOU MIGHT
SAY THEY ARE ON a

FOLD

A CAPER
is

A FLYING MACHINE
THAT DOESN'T CARRY A
PILOT is known as a

FOLD

A DRONE is

ANOTHER NAME FOR
ANIMALS THAT ARE HUNTED is

FOLD

GAME is
another name for

WHEN SOMETHING
IS HONED, it is

FOLD

A word that describes something that
is IMPROVED OR SHARPENED is

When you are on
PATROL, YOU ARE

moving in an area
while protecting
or watching something
IS KNOWN AS BEING ON

A **SAFEGUARD** is

**SOMETHING THAT
PROMOTES SAFETY** is a

**THE PART OF AMMUNITION
THAT HOLDS GUNPOWDER
AND THE PROJECTILE**

is known as the

A **SHELL** is

When something
is **SPENT**, it is

When something
is **USED UP**, it is

Another name for a **GUN** is

FIREARM is
another
name for a

FOLD

FOLD

FOLD

FOLD

FOLD

FOLD