

STUDY QUESTIONS

TO “TINY TRAVELERS”

Study and learn facts and ideas based on this Young Naturalists nonfiction story in *Minnesota Conservation Volunteer*, September–October 2016, 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. CATERPILLARS ARE WORMS THAT TURN INTO INSECTS. True False

1. HOW DO SCIENTISTS CLASSIFY LAND SNAILS? _____

2. WHERE ARE GASTROPODS FOUND? _____

3. HOW MANY SPECIES OF LAND SNAILS LIVE IN NORTH AMERICA? _____

ABOUT HOW MANY SPECIES OF LAND SNAILS LIVE IN MINNESOTA? _____

4. ANOTHER NAME FOR A LAND SNAIL'S TONGUE IS _____.

5. MINNESOTA'S SMALLEST LAND SNAIL IS 1/16 INCH LONG AND ITS LARGEST LAND SNAIL IS 2 INCHES LONG. HOW MANY TIMES LONGER IS THE LARGEST SNAIL THAN THE SMALLEST SNAIL? _____

6. True OR false: SNAILS USE GILLS RATHER THAN LUNGS TO BREATHE.

7. HOW DOES MUCUS HELP A LAND SNAIL SURVIVE? _____

8. DEAD PLANTS PROVIDE _____ AND _____ FOR SNAILS.

9. WHAT PERCENT OF SNAILS AND SNAIL SPECIES ARE LOST WHEN A FIRE BURNS THEIR HABITAT? _____

10. NAME THREE KINDS OF ANIMALS THAT EAT SNAILS. _____

11. WHICH OF THESE DO SNAILS USE TO HELP THEM MOVE AROUND?

- A. their own muscles
- B. other animals
- C. water
- D. wind
- E. all of the above

CHALLENGE: THE ARTICLE TELLS US THAT 85 PERCENT OF MINNESOTA LAND SNAILS ARE TINY SNAILS. HOW MANY TIMES MORE TINY SNAILS ARE THERE THAN BIG SNAILS? _____

MINNESOTA COMPREHENSIVE ASSESSMENT

NAME _____ **PERIOD** _____ **DATE** _____

1. What species forms a leaf into a tube for its winter home?

- A. *Papilio polyxenes*
- B. *Limenitis arthemis arthemis*
- C. *Synchlora aerata*
- D. None of the above.

1. What sense does a snail use most to learn about its world?

- A. smell
- B. sound
- C. sight
- D. touch

2. How does a land snail get rid of body wastes? _____

3. What does a land snail use instead of teeth for eating food? _____

4. What do land snails eat? _____

5. How does a land snail's blood get around its body without arteries or veins? _____

STUDENT STUDY GUIDE: VOCABULARY

ALGAE plants or plantlike living things that make sugar from sunlight and are found in wet places

AMBUSH surprise attack

COLONIZE settle into a place to live

HERMAPHRODITE an animal with male and female body parts

HUMUS decomposed plant and animal matter

LICHENS living things that are part algae or cyanobacteria and part fungus

PHYLUM a category into which scientists place related living things

TENTACLES body parts used to feel and grasp objects

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

What are
ALGAE?

FOLD

**PLANTS OR PLANTLIKE
LIVING THINGS THAT MAKE
SUGAR FROM SUNLIGHT AND ARE
FOUND IN WET PLACES** are

What is an
AMBUSH?

FOLD

A SURPRISE ATTACK
is called an

When animals
COLONIZE a place, they

FOLD

To **SETTLE INTO A
PLACE TO LIVE** is to

What is a
HERMAPHRODITE?

FOLD

**AN ANIMAL WITH MALE AND
FEMALE BODY PARTS** is called a

What is a
HUMUS?

FOLD

Another name **FOR
DECOMPOSED PLANT
AND ANIMAL MATTER** is

LICHENS are

FOLD

**LIVING THINGS THAT ARE PART
ALGAE OR CYANOBACTERIA
AND PART FUNGUS** are known as

A **PHYLUM** is

FOLD

**A CATEGORY INTO
WHICH SCIENTISTS PLACE
LIVING THINGS** is a

What are
TENTACLES?

FOLD

**BODY PARTS USED TO FEEL
AND GRASP OBJECTS**
are often called

FOLD

FOLD

FOLD
