

STUDY QUESTIONS

TO "CLUES IN THE CLOUDS"

Study and learn facts and ideas based on this Young Naturalists nonfiction story in *Minnesota Conservation Volunteer*, July–August 2018, 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 a bluebird is 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!



"Clues in the Clouds" Study Questions

Study and learn facts and ideas based on this Young Naturalists nonfiction story in Minnesota Conservation Volunteer, July—August 2018, www.mndnr.gov/mcvmagazine.

Look up in the slexy to learn what clouds can tell us.

CLOURS come in many shapes and sizes. Pully as costne bills tossed into the air. In. olse, who and growingly gar. you are not be high six or the cloud's means to six directed. The control was the cloud's means to six directed. The control was the cloud's means to six directed. The cloud's means that even but things have a good side.

Clouds can implet visions of animals or objects. They can be low the ground or high in the sky. And they can tell us about what he are on the cloud in the cloud is considered in the cloud is the six of the ground or high in the sky. And they can tell us about what he are on the cloud is considered in the cloud in the cloud is considered in the cloud in the cloud in the cloud is considered in the cloud in the cloud is considered in the cloud in the cloud in the cloud is considered in the cloud in the cloud is considered in the clou

1. What three ingredients are needed to make a cloud?

2. When water condenses, it?

- a. turns from a gas into a liquid
- b. turns from a liquid into a gas
- c. turns from a liquid into a solid
- d. turns from a solid into a liquid

3. What	HA	PPENS	WHEN	I TWO	AIR	MAS	SES	RUN	INTO	EACH	OTHE	R?
4. True	OR	FALSE:	AIR F	IIGHER	R IN	THE	SKY	IS V	VARME	R THA	N AIR	

- CLOSER TO EARTH.
- 5. Puffy clouds form when _____ causes air to move skyward. Stringy clouds form when _____ causes air to move skyward.
- 6. Earth's surface covers 197 million square miles. About how many square miles do clouds cover? How many square kilometers?

INTO?	ACTORS DETERMINE WHICH CATEGORY A CLOUD FALLS
SIMILAR AND TWO	YS IN WHICH NIMBOSTRATUS AND CIRRUS CLOUDS ARE WAYS IN WHICH THEY DIFFER.
	: Cumulus clouds are more common in winter and are more common in summer.
SEEING?	SEE YOUR BREATH" IN WINTER, WHAT ARE YOU REALLY
ON THE WAY	E CLOUD TYPES THAT TELL US RAIN OR SNOW COULD BE
	CLOUD TYPE WITH THE FACT ABOUT IT:
nimbostratus cumulonimbus cirrus cirrocumulus	featherlike clouds high in the sky clouds associated with thunderstorms clouds that foretell cold weather with no snow dark gray clouds that cover the entire sky
	DDLESS NIGHTS TEND TO BE COOLER THAN CLOUDY
	E SOME POSSIBLE REASONS THAT CITIES HAVE MORE RAL AREAS?

MINNESOTA COMPREHENSIVE ASSESSMENT

Name	PERIOD DATE
соммон?	ITH "CUMUL" IN THEIR NAMES HAVE IN
common?	ITH "NIMB" IN THEIR NAMES HAVE IN
3. What do clouds wi	TH "STRAT" IN THEIR NAMES HAVE IN COMMON?
4. What two kinds of effect around the su	CLOUDS ARE MOST LIKELY TO CREATE A HALO N OR MOON?
	FORWARD TO A FUN DAY OUTDOORS, WHICH KIND MOST LIKE TO WAKE UP TO, AND WHY?

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

Things that are DENSE	FOLD	When things CONTAIN A LOT OF MATTER FOR THE AMOUNT OF SPACE, we say they are
An object in the FOREGROUND is	FOLD	An object in FRONT OF OTHER THINGS is
When you see A RING OF LIGHT around the sun or moon, you are looking at	FOLD	A halo is
A PART OF A SENTENCE is known as	FOLD	A phrase is
RAIN, SNOW, AND SLEET are forms of	FOLD	PRECIPITATION is a word for

Something that is HELD WITHOUT TOUCHING A SURFACE IN WATER OR AIR is	FOLD	Something that is SUSPENDED is
A WISPY cloud is	FOLD	We might call a cloud MADE OF DELICATE, STRINGLIKE SHAPES
	FOLD	