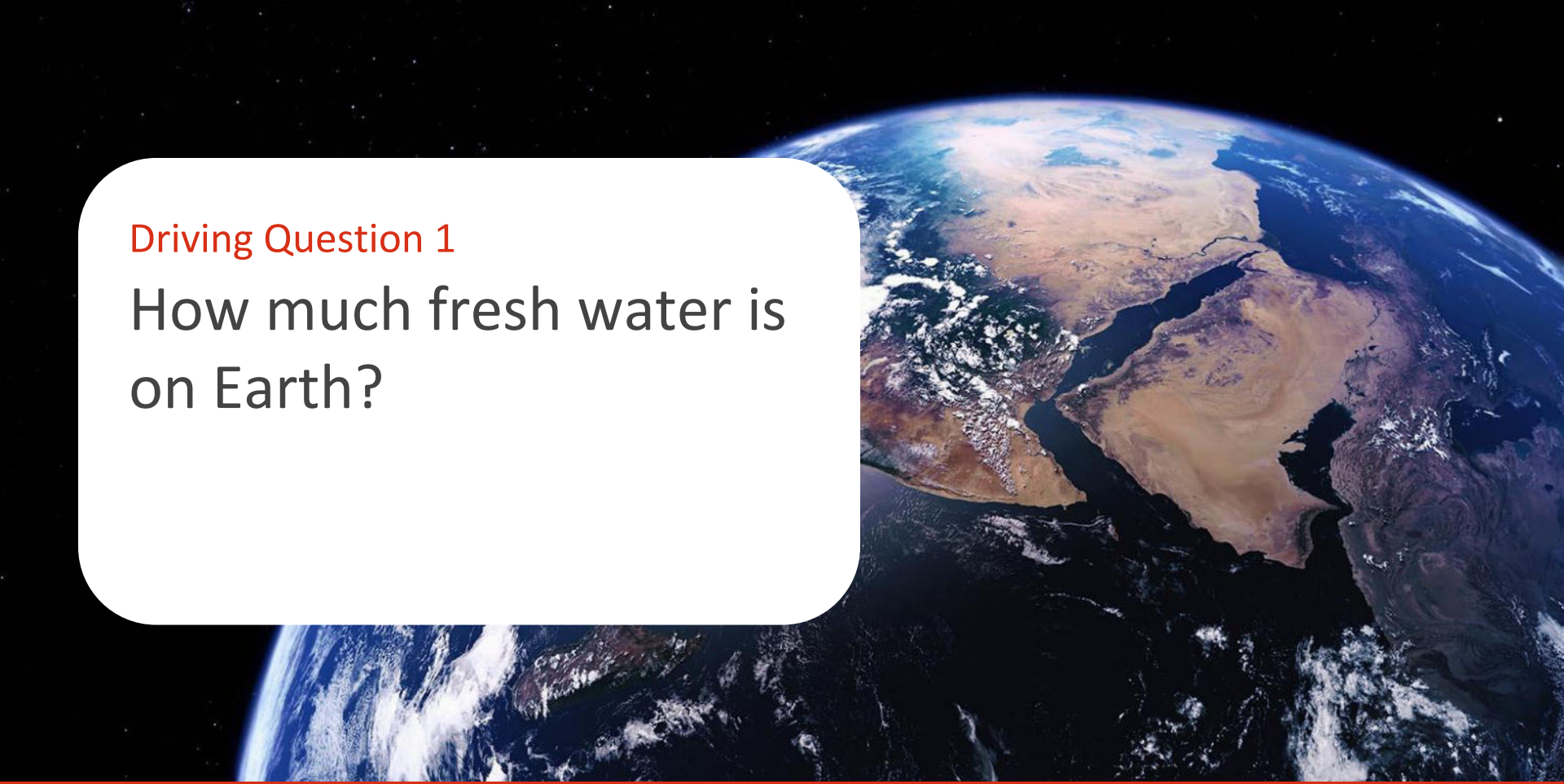
twig SCIENCE

GRADE 5
MODULE 3

H2O Response Team



Driving Question 1

How much fresh water is on Earth?

Lesson 5

Finding Fresh Water

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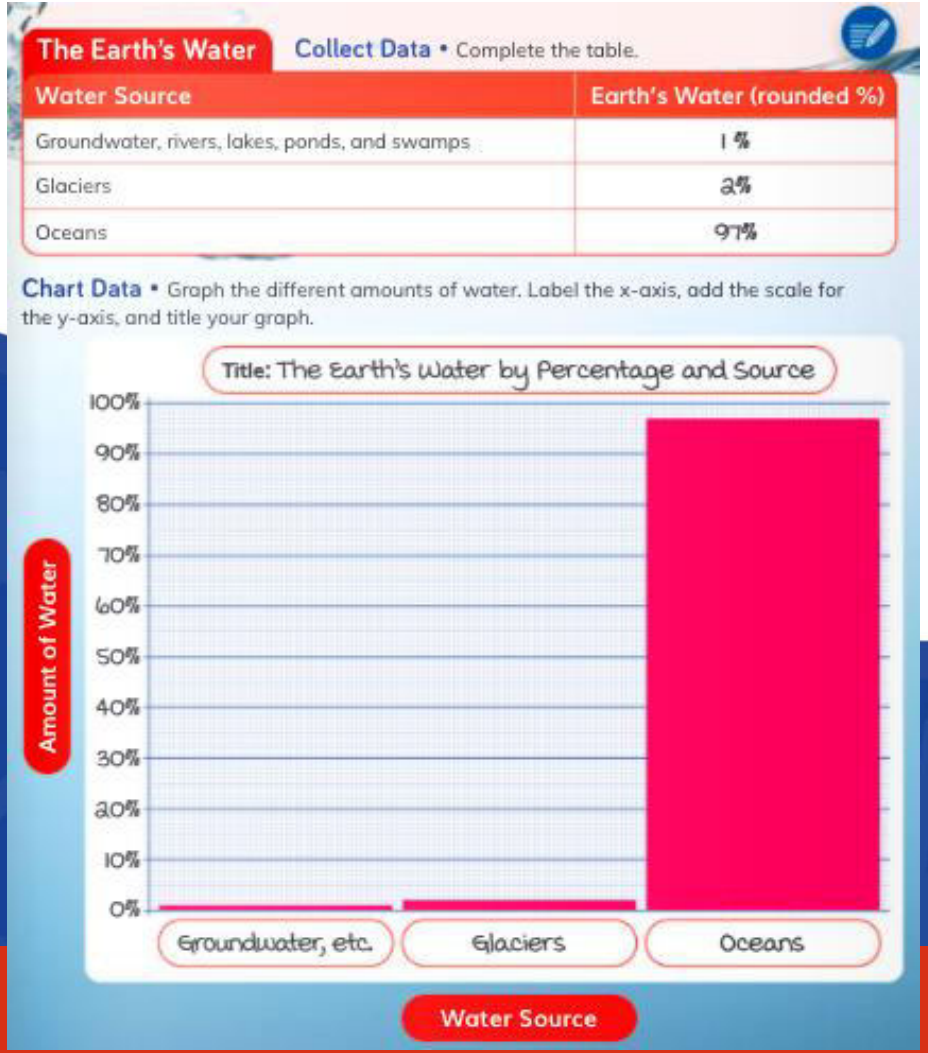
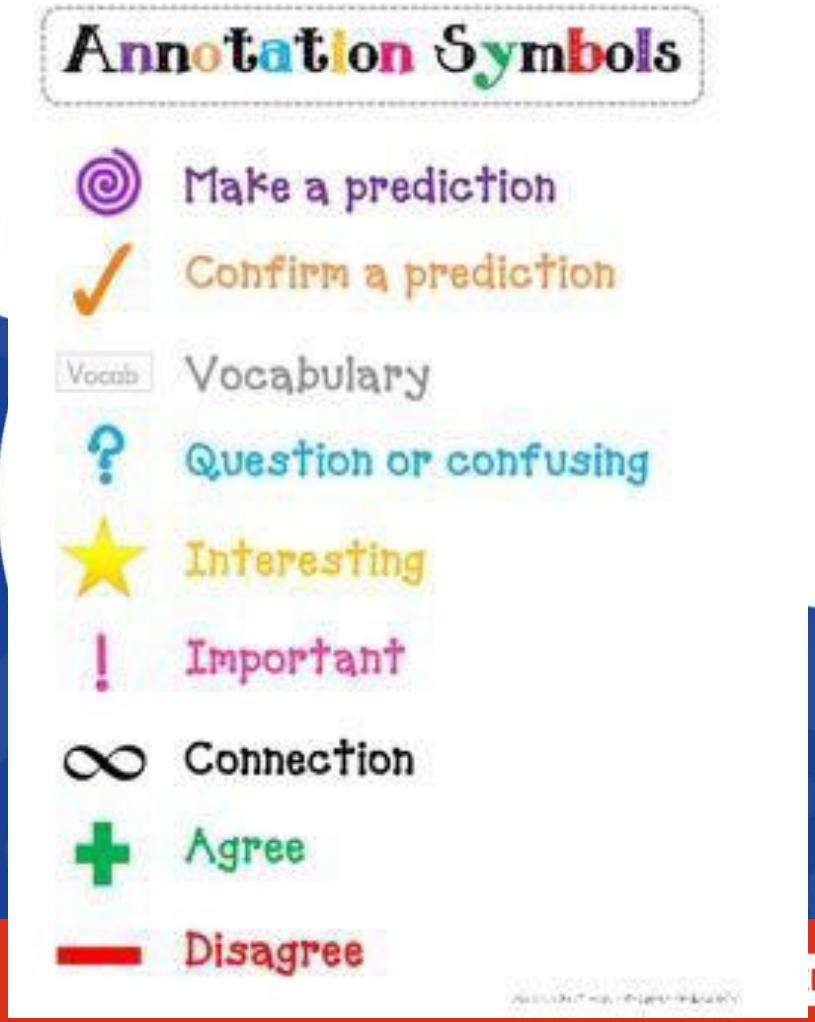
H2O Response Team

Review what you observed about fresh water in the previous lesson.



Reading for Evidence

Read and annotate an article on page 18 about water on Earth, then answer the questions.



In Attached PDF- pg 21-24

Twig book pg 18-21

Where Is Earth's Water?

LESSON 5

Read and annotate "Where Is Earth's Water?" As you read, use these close reading strategies:

- Circle key words.
- Underline confusing words or sentences.
- Add drawings or notes to remember important facts and ideas.

"Water, Water, Everywhere..."

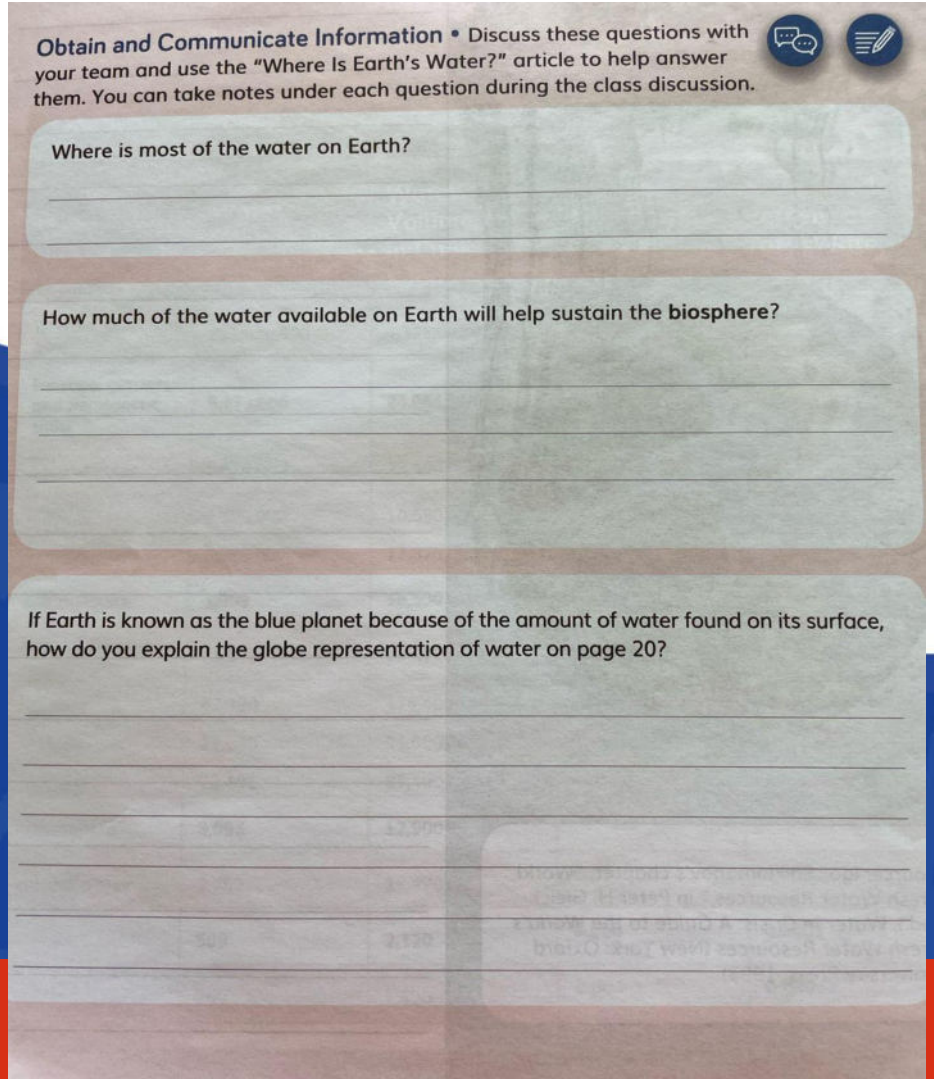
You've heard the phrase, and for water, it really is true. Earth's water is (almost) everywhere: above the Earth in the air and clouds; on the surface of the Earth in rivers, oceans, ice, plants; in living organisms; and inside the Earth in the top few miles of the ground.

small portion is available to sustain human, plant, and animal life.

The globe image represents how much actual water exists, compared to the total

Share

Share your answers from page 23 with the class.

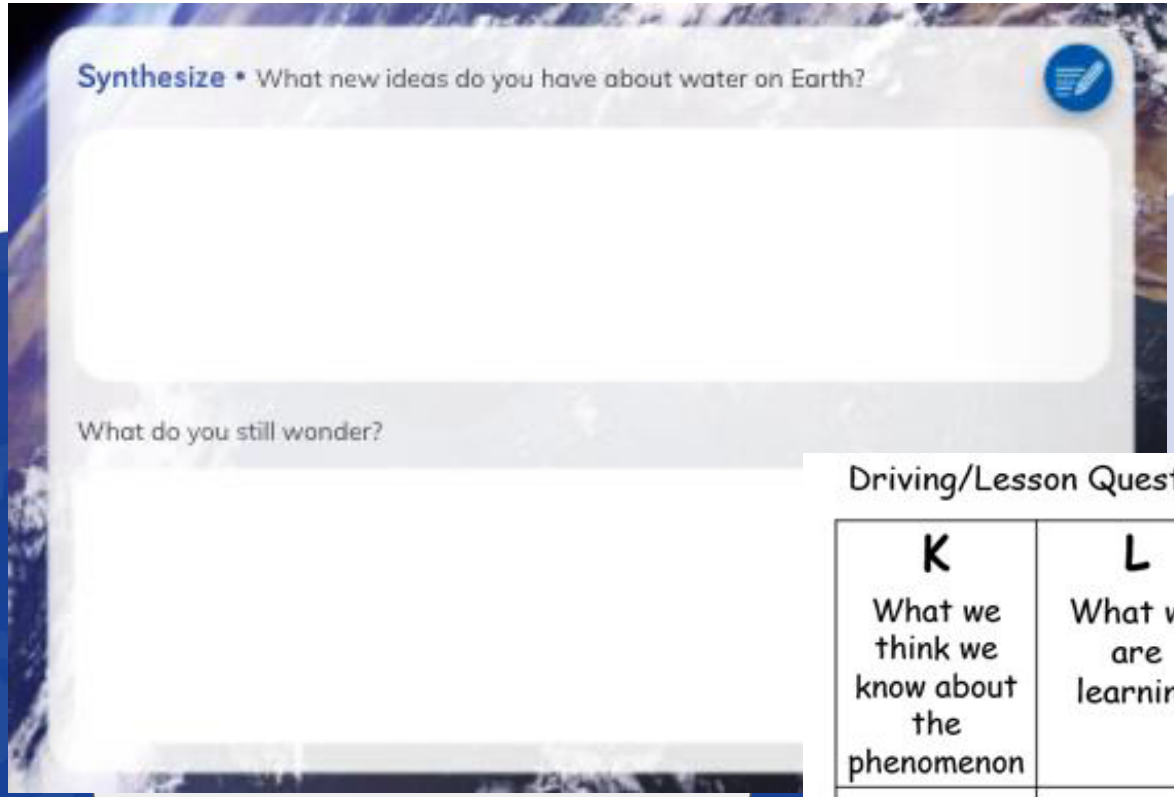


Obtain and Communicate Information • Discuss these questions with your team and use the "Where Is Earth's Water?" article to help answer them. You can take notes under each question during the class discussion.

Where is most of the water on Earth?

How much of the water available on Earth will help sustain the **biosphere**?

If Earth is known as the blue planet because of the amount of water found on its surface, how do you explain the globe representation of water on page 20?



Driving/Lesson Question:

K What we think we know about the phenomenon	L What we are learning	E Evidence (from our data)	W Wonderings	S Scientific Concepts and Words

Water and Social Justice

https://www.un.org/en/global-issues/water

ABCDEs of Modeling

A- Accurate

B- Big

C- Colorful

D- Descriptive

E- Explains

Reflect

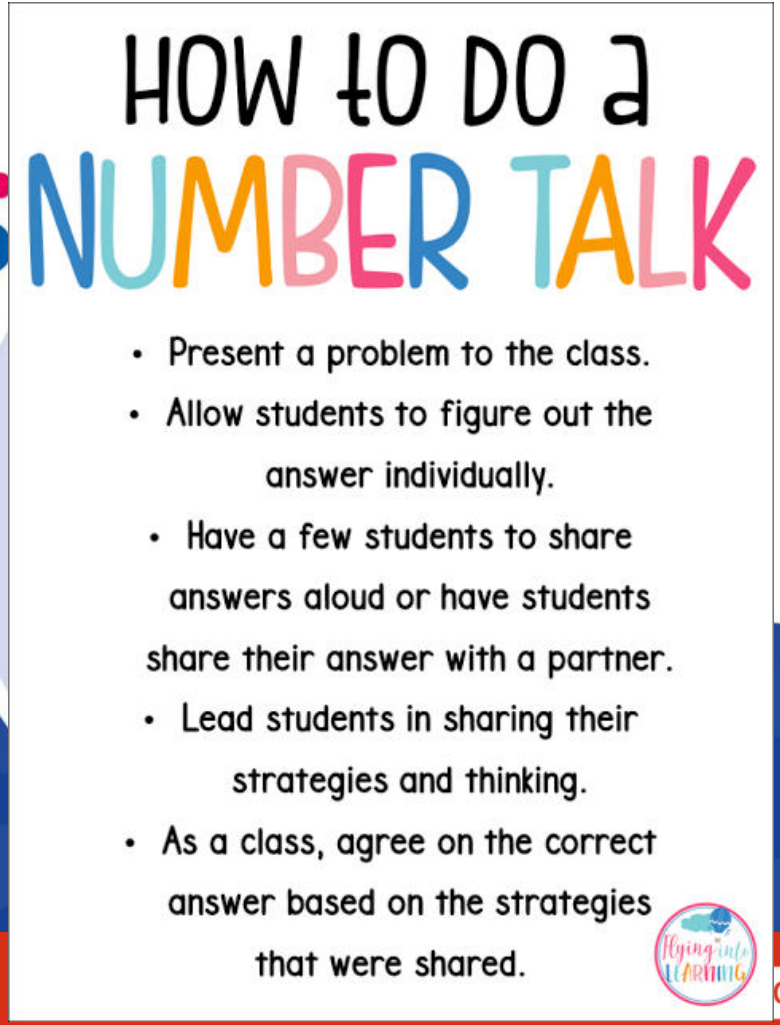
Develop Models • Draw and label a visual model to show your understanding of the relative amounts of fresh water and salt water on Earth.

ELA Reading Extension

Turn and talk about how the bar graph helped you understand the text.

Math Extension

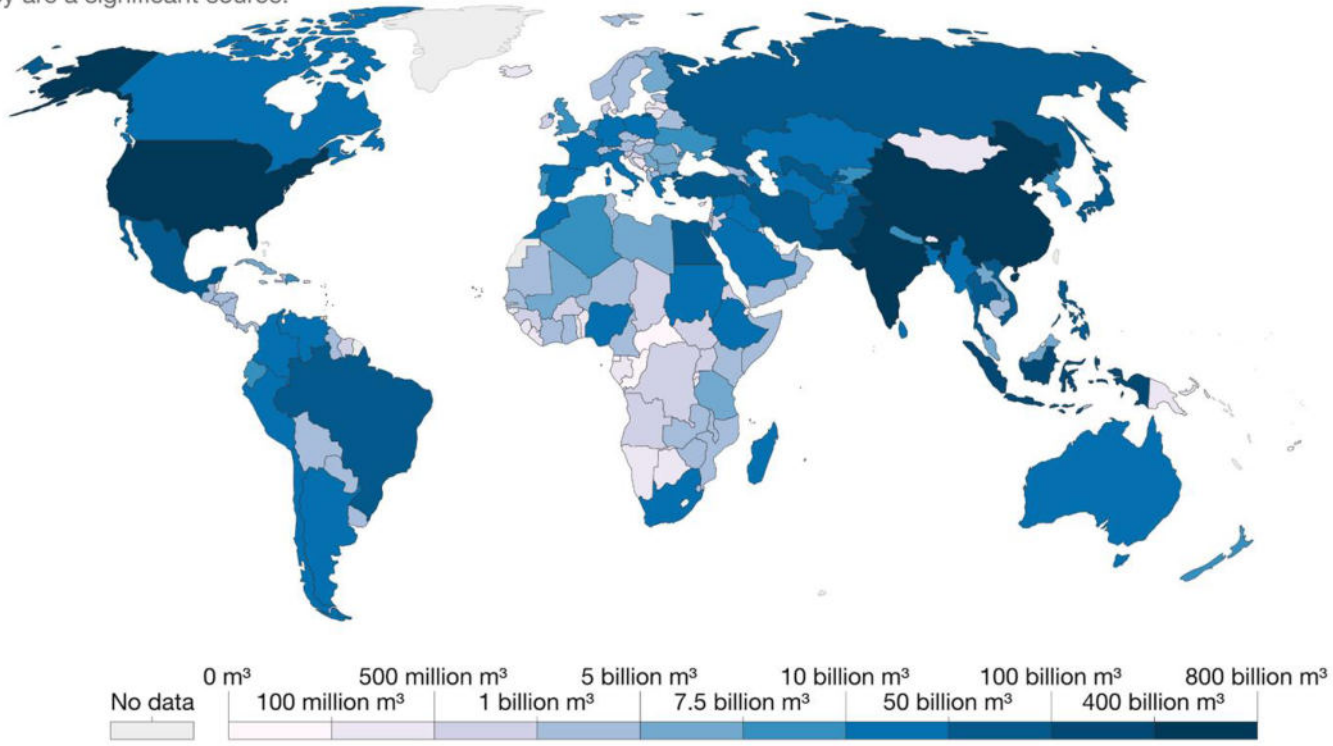
Do a number talk related to a graph of water distribution



Annual freshwater withdrawals, 2017

Our World in Data

Annual freshwater withdrawals refer to total water withdrawals, not counting evaporation losses from storage basins, measured in cubic metres (m^3) per year. Total water withdrawals are the sum of withdrawals for agriculture, industry and municipal (domestic uses). Withdrawals also include water from desalination plants in countries where they are a significant source.



Source: Food and Agriculture Organization of the United Nations (via World Bank)
OurWorldInData.org/water-access-resources-sanitation/ • CC BY