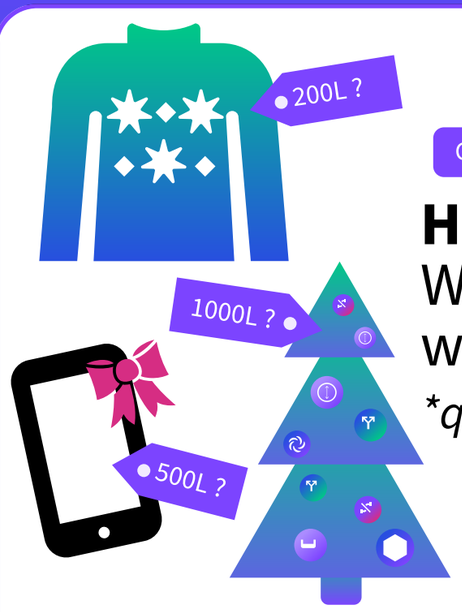
Bringing water to the holiday table

Quick games and fun facts about water



GAME

Higher or lower

Which holiday items need +/- water to be made?

**questions & instructions here*

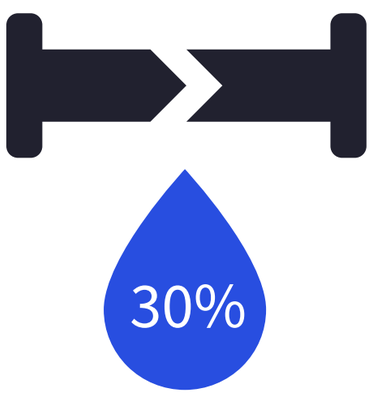
GAME

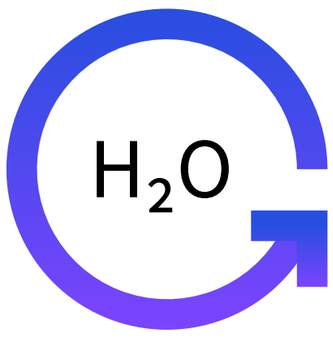
Guess that water body

Describe a body of water without using its name.

DID YOU KNOW?

Today, it’s estimated that, globally, more than 30% of treated water is lost to leaks.





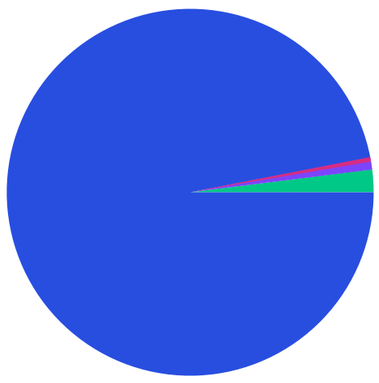
DID YOU KNOW?

Over 100 years a water molecule spends:

- 98 years in the ocean
- 20 months as ice
- 2 weeks in lakes / rivers
- A few days in the atmosphere.

DID YOU KNOW?

Only 0.4% earth's water is drinkable AND accessible to humans.

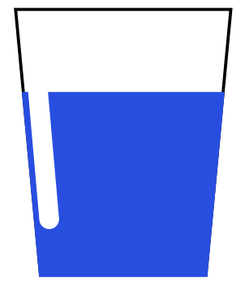


97% Salt water

2% Polar icecaps

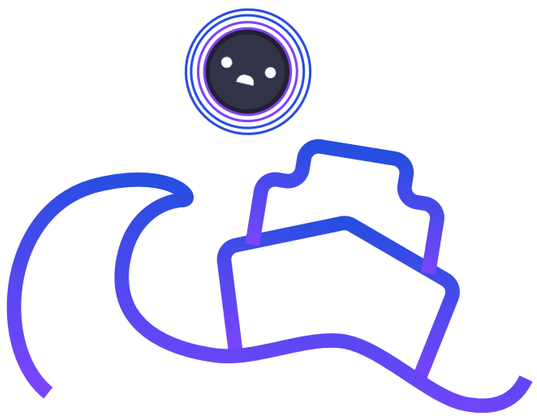
1% Freshwater

0.4% Accessible freshwater



DID YOU KNOW?

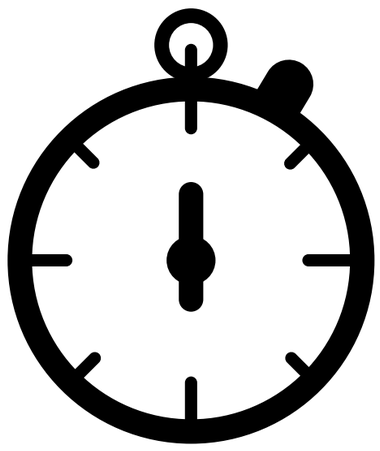
Pure water is actually blue, not colorless, because water molecules absorb the red end of the light spectrum.



GAME

Water charades

Act out water-related scenes from movies.



GAME

Just a minute

Talk about water for 60 seconds without repetition, hesitation or deviation.

Instructions & sources

GAME

Higher or lower

To play this game, one person (the reader) should follow the script below. Everyone else can play!

Given that it takes up to 190 liters (50 gallons) of water to fill a standard **bathtub**, do you think it takes more (higher) or less (lower) water to make a **holiday, woolen sweater**? Ask each player for their guess, higher or lower.

The answer is **Higher**. It takes approximately **1,500 liters** (about 396 gallons) of water to produce a woolen sweater. OK, a **Christmas tree**? Higher or lower than a holiday sweater?

The answer is **Higher**. It takes about **10,000 liters** (2,640 gallons) of water to grow a 1.5-meter (5-foot) Christmas tree. OK, a **smartphone**? Higher or lower than a Christmas tree?

The answer is **Lower**. A smartphone requires approximately 3,000 liters (790 gallons). This includes the extraction of materials, manufacturing, and assembly. OK, a **holiday dinner** with 10 guests? Higher or lower than a smartphone?

The answer is **Higher**. It will depend on the menu, but for a typical meal including meat, vegetables, and beverages, it can be estimated at about 5,000 to 10,000 liters (1,320 to 2,640 gallons), considering water for food production, processing, and preparation.

GAME

Guess that water body

Describe a body of water without using its name. Have participants try to imitate the sounds of different bodies of water, such as a rushing river, a calm lake, or a crashing ocean wave.

Example: 1) I was "cleaned" for the Olympics. 2) I can see the Louvre. 3) I flow through Paris. *Answer: I am the Seine.*

GAME

Water charades

Act out water-related scenes from movies.
Example: Act out a ship hitting an iceberg (Titanic).

Instructions & sources

GAME

Just a minute

Try to speak about water for one minute without:
—Repetition (saying the same thing about it),
—Hesitation (pausing or stumbling)
—Deviation (talking about something unrelated to water).
One person will need to time and stop if the speaker repeats, hesitates or deviates. With multiple people, time who can speak for the longest amount of time.

DID YOU KNOW?

Water facts sources

In a 100-year period, a water molecule spends 98 years in the ocean, 20 months as ice, about 2 weeks in lakes and rivers, and less than a week in the atmosphere.
Source: https://www.cleanwaterways.org/ as seen in https://www.seametrics.com/blog/water-facts/

While it may appear colorless, pure water is actually slightly blue. This is due to the way water molecules absorb the red end of the spectrum of visible light.
Source: https://www.usgs.gov/special-topics/water-science-school/science/water-color

Today, it's estimated that, globally, more than 30% of treated water is lost to leaks.
Source: Sustainability Insights | Research Lost Water: Challenges And Opportunities Sept. 6, 2023 https://www.spglobal.com/_assets/documents/ratings/research/101585883.pdf

Roughly 0.4% of the earth's water is drinkable and accessible to humans.
Source: World Atlas, 2018.