

How much water does the Earth's atmosphere contain?

If the total volume of water in the atmosphere is measured (in km³), what is the amount obtained?

Not only in rivers, streams, oceans, underground, . water still exists in the Earth's atmosphere in many different forms such as solid or snow, liquid form through the rain . .

1. How many people have conquered the depths underground?
2. What makes the seasons of the year?
3. Explore the mysterious 8th continent submerged under the Pacific Ocean

So, if you measure the entire volume of water in the atmosphere (in km³), what is the amount obtained?



Clouds are blocks of condensate droplets or crystalline ice suspended in the atmosphere.

According to the researchers' calculations, the average volume of water in the atmosphere reaches about 13,000 km³, equivalent to a giant cube of water with 23.5 km long edge, at any given time. This amount of water changes according to the weather and location. This amount of water in the Northern Hemisphere will be more in summer or during El nino.

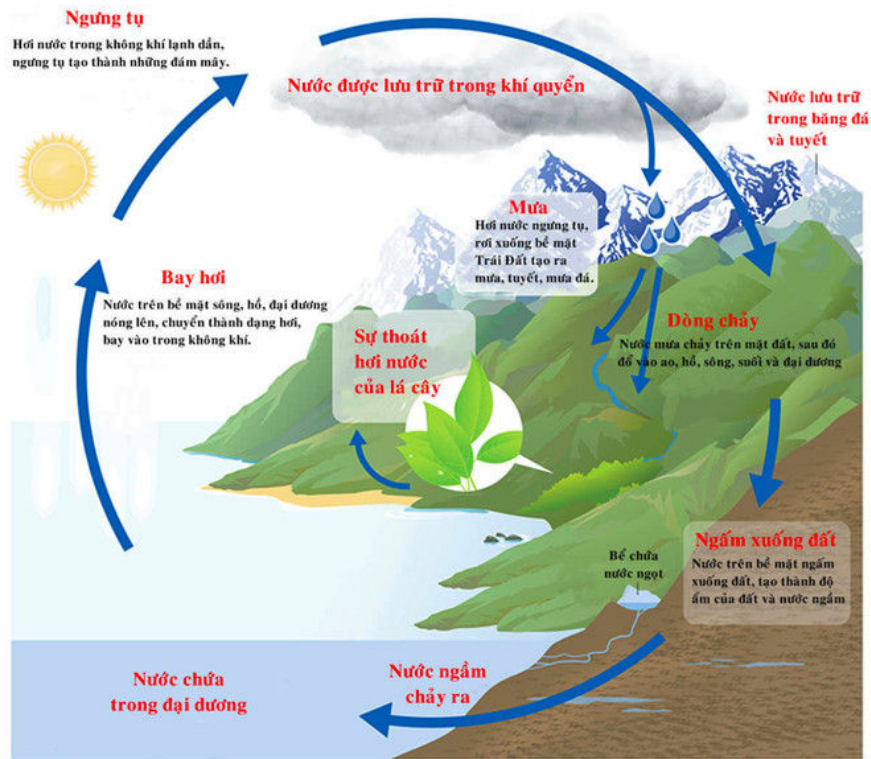
If all the water on the atmosphere falls at the same time, the entire surface of the Earth will be covered with a layer of water 2.5cm thick. However, the amount of water in the atmosphere is still only 0.001% of all water on Earth.



The ocean is the Earth's most water store.

But this amount of water is always maintained in balance, never depleted with snow or rain. Because water evaporation on the surface of the oceans and continents will compensate continuously for the loss of water on it. In addition, a portion of the falling water will evaporate back into the atmosphere before reaching the ground.

The amount of water lost or evaporated in the cycle (process) is so much larger than the amount of water stored in the atmosphere, reaching about 485,000 km³. This means that a water molecule only floats in the atmosphere an average of about a week and then falls to the ground again.



Water cycle on Earth.

The atmosphere is one of the essential components of the water cycle on Earth.

See also: Quiz: how long does a turtle take to crawl around the Earth?

You finished reading the article "**How much water does the Earth's atmosphere contain?**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.