

In the form of a short text, answer the questions:

- 1. The water is unique because ...
- 2. Water is needed because ...
- 3. Water should be used wisely because ...
- 4. The water must be kept clean because ...
- 5. Illustrate the project with a picture.



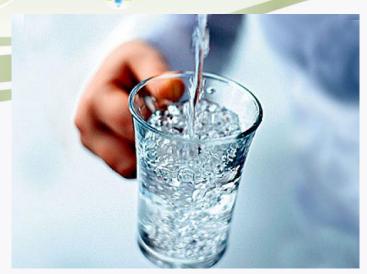
The initiative originated in 1992 during a United Nations conference in Rio de Janeiro.



WE LEARN ABOUT WATER WITH FACTS AND FIGURES









Water has no color, it is transparent
The water has no smell
The water has no taste.

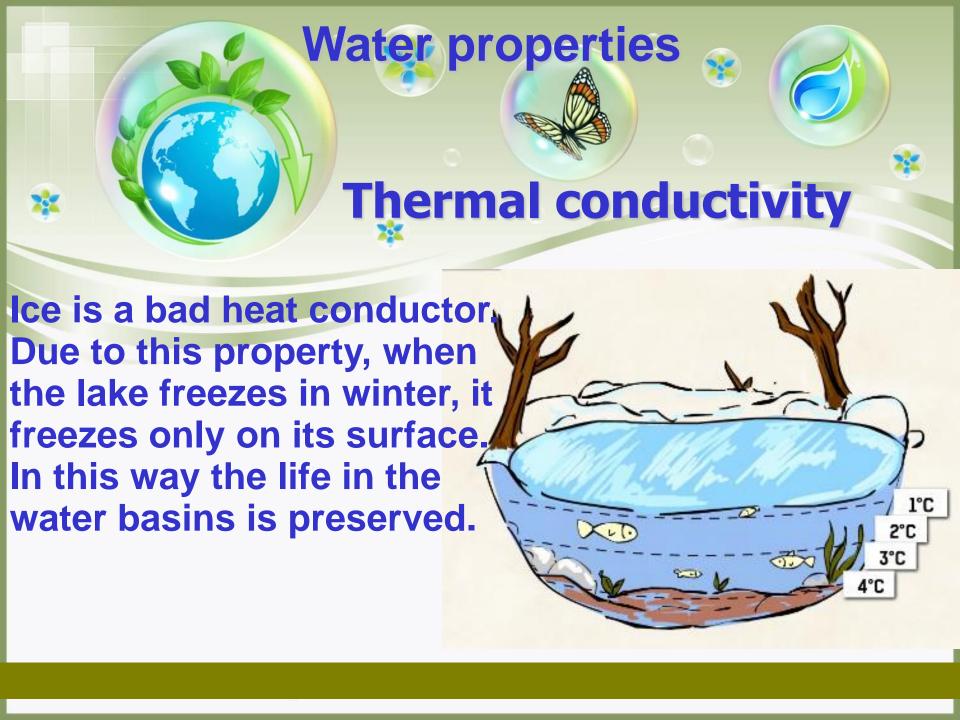


Water is a solvent, but not all substances dissolve in it.



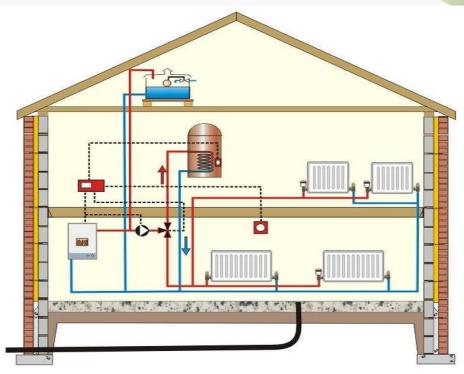
Water properties

Give examples of three substances that dissolve and three substances that do not dissolve in water.





The liquid is a good heat conductor. Thanks to this property, central heating i created.

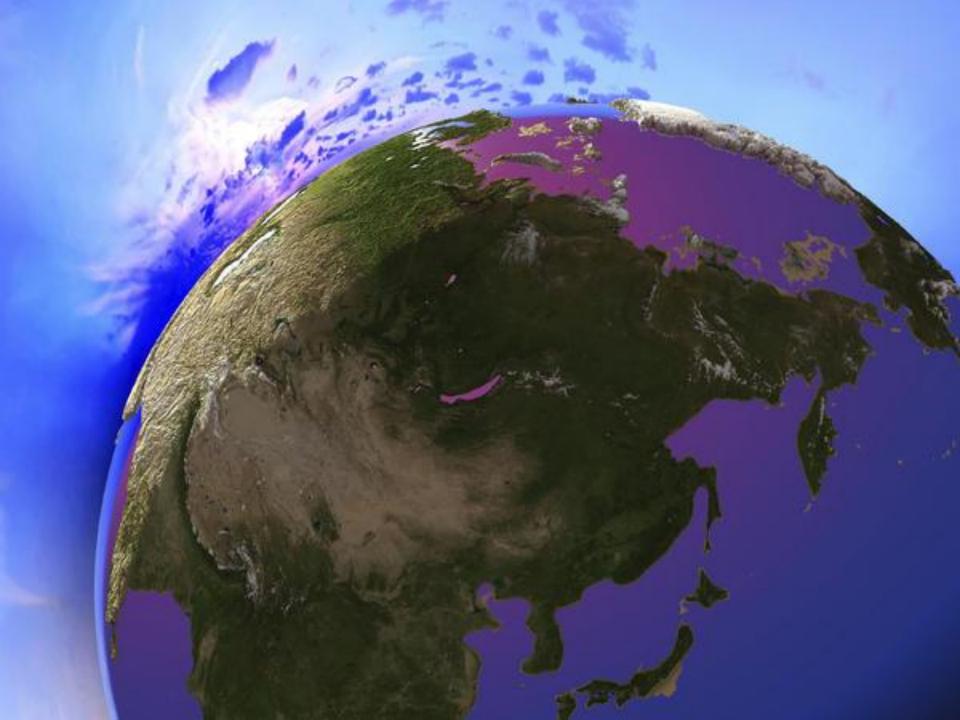




- 1) When heated, melting occurs
- 2) When cooled, frost occurs

100

Boiling of clean water occurs.





Total area of the Earth - 510.2 million sq. Km

Occupied by land - 149.0 million sq. Km

Occupied by water -361.2 million sq. Km

Everything 510.2 million sq. Km

Task 1: Express water and land in percentages. Round the percentages to an integer.



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DROUGHT:













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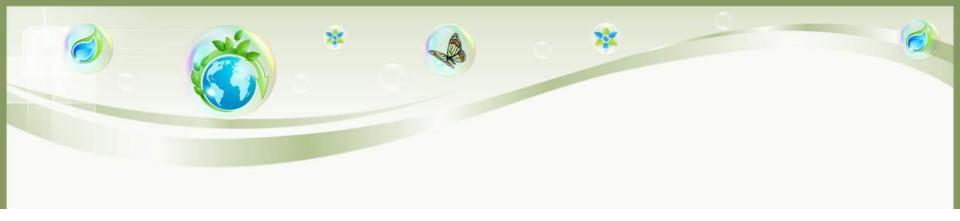
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Task 2: How many times is the area occupied by water larger than the land area? (Round to the tenth).







Homework: Based on the data given in the table, create a pie chart of the distribution of land and water on Earth.

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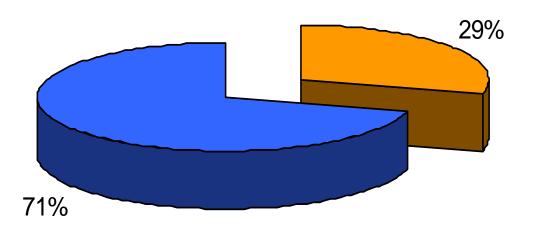












- □ Заета от суша –
- Заета от вода –



Distribution of water on the Earth's surface

	million tons	%
World Ocean	142	Saltwater 97.5%
Rivers and lakes	0,05	
Glaciers	3,53	Fresh water
Atmosphere	0,0013	2,5%

mass

Type of water



WHAT CONCLUSION CAN WEDO WE DO IT?





Conclusion:

Man needs fresh water, and there is little fresh water on Earth.





Did you know that: There is water in plants, in animals, in man and even in

stone ...

Task 3: Spruce weighs 100 kg, of which 85% is water.

How many kilograms is itthe water?



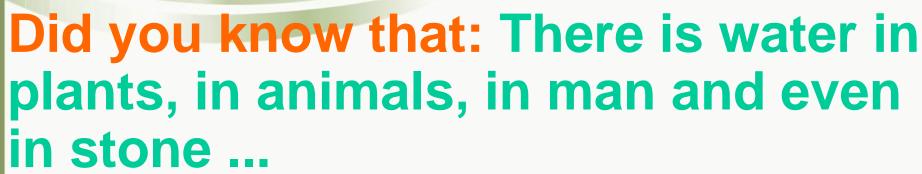






85% or 100 kg = $= 85 \cdot 100 = 85 \text{ kg water}$ 100







Task 4: The salmon weighs 2 kg, of which 1 kg and 500 g is water.

What percentage is water?







X % from 2 kg. = 1.500 kg

X . 2=1,500

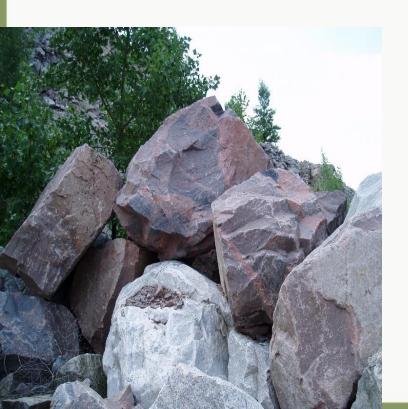
100

X=1,500.(100:2)

X=75% water



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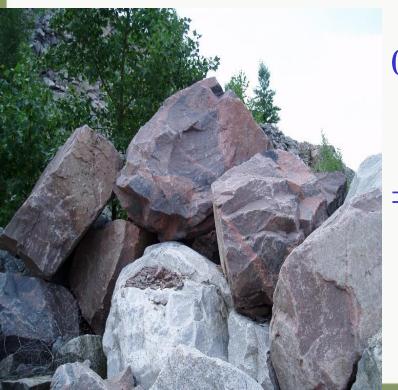


Task 5: In granite, the water is about 0.5%.

• In a ton of granite, how many kilograms is water?



1 t = 1000 kg



0,5% from 1000 kg= <u>0,5</u>. 1000= 100

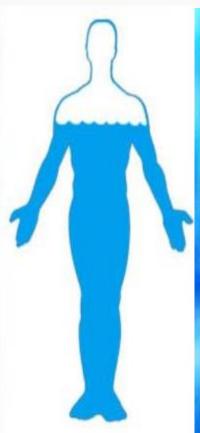
$$=$$
 5 .1000 = 5 kg water 10.100



Water in the human body

There is nothing more precious in the world than the beautiful, most ordinary, pure water.





Ако човек изгуби 20% вода от теглото си, той умира.



WHAT CONCLUSION CAN WEDO WE DO IT?





Conclusion: Water is everywhere. In plants, animals, people, even in inanimate nature!



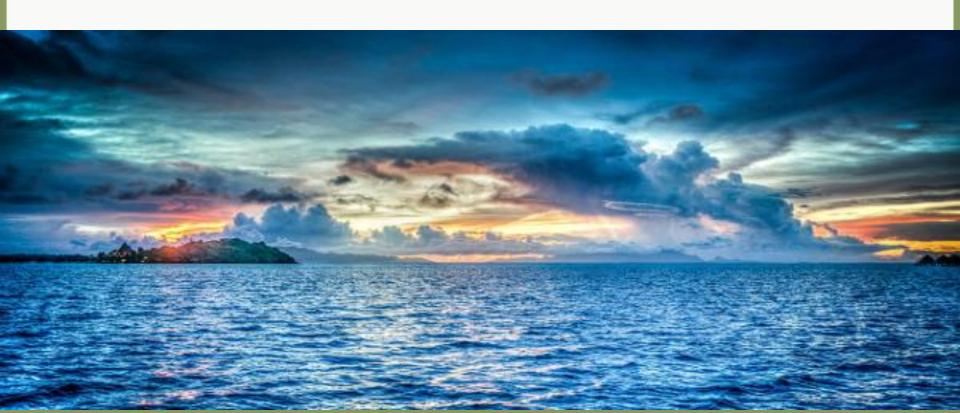


DEFINITION OF WATER POLLUTION

Water pollution is defined as the pollution of lakes, rivers, oceans and groundwater caused by human impact, which can lead to the death of organisms and plants living in these environments.



 Everyone is obliged to protect the water and take care of this invaluable natural resource.



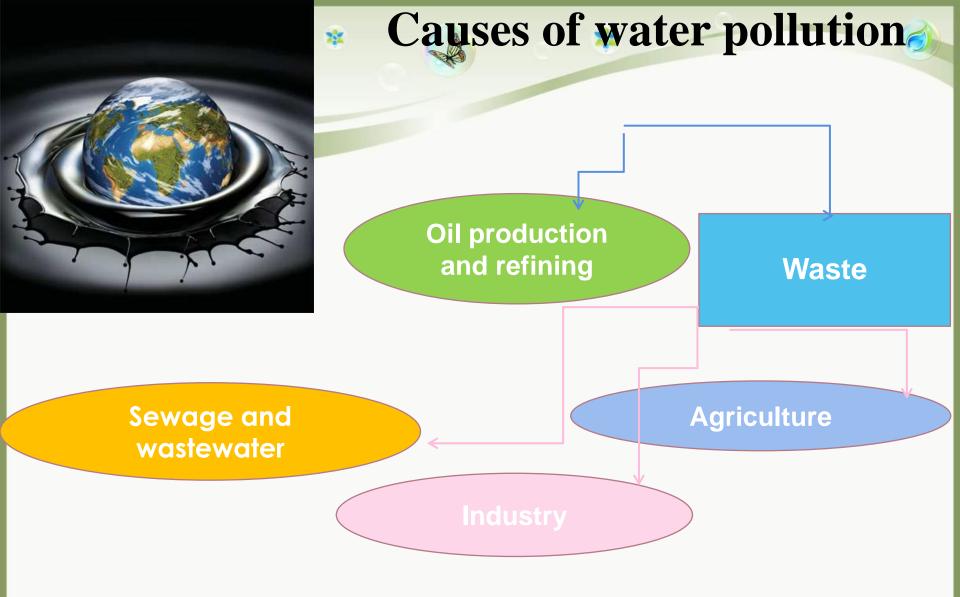




Work in groups

Task: What are the sources of water pollution?





Scientists have estimated that every year around the world so many harmful substances fall into the water that they can fill 10,000 trucks.

Environmental pollution

Task 6: Oil is spilled on the surface of the water. The spill of oil on the surface of the water occupies a rectangular area. It is 26 meters long and 11 meters wide. Find the area of the oil slick.







Solution of the problem:

11 m.

26 m.

 $S = 26 \times 11 = 286 \text{ sq. M.is}$ the oil slick



Brain attack

How does water pollution harm:

Plants

The animals

People

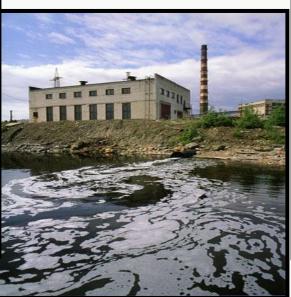






save Water









WHAT CONCLUSION CAN WEDO WE DO IT?







Do not drink contaminated water

Contaminated water contains many impurities that are harmful to humans. To prevent unpleasant consequences, filter the water.











WHAT CONCLUSION CAN WEDO WE DO IT?









Did you know that:

One consumes a huge amount of fresh water.

The water used to produce agricultural or industrial goods is called 'virtual water', which is contained in the goods.

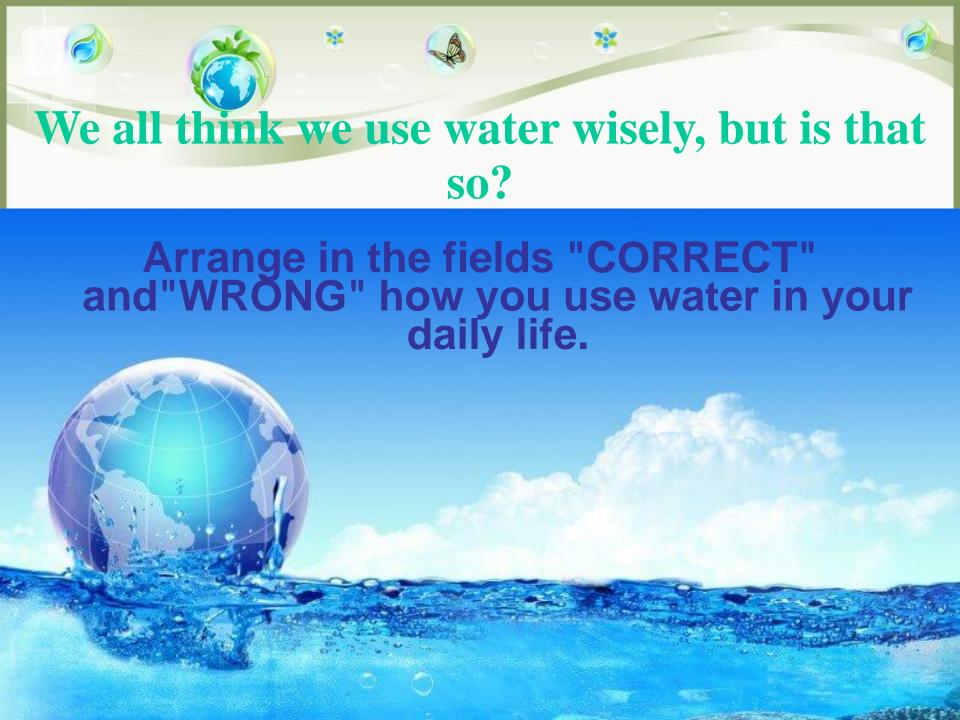
To receive:1 ton of steel, you need 150 tons of water250 tons of water are needed to produce 1 ton of paperTo make 1 cup of coffee, you need 140 liters of water. To produce enough flour for one loaf (400 grams), you need 550 liters of water. The production of 1 liter of milk requires 1000 liters of water. Production of 1 kg of rice requires 3000 liters of water Production per 1 kg of corn requires 900 liters of water



Task 6: A person uses an average of 6 liters of water to brush his teeth. To rinse a toilet bowl, use 2.5 times more water than to brush your teeth. For bathing - 10 times more than for rinsing a toilet bowl. How many liters of water will a person consume per day if he brushes his teeth twice a day, rinses the toilet 5 times and bathes once a day?



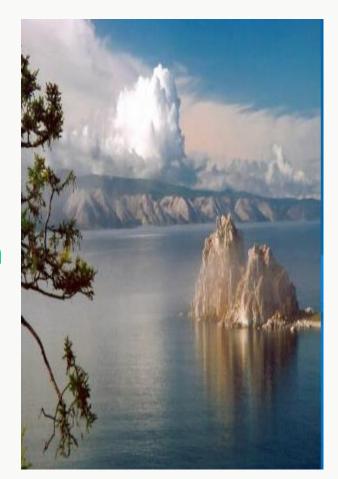
- 2 x 6 liters of water for brushing teeth = 12 liters per day2.5 x 6 l. = 15 l.
- Water for one rinsing of a toilet bowl5 x 15 liters = 75 liters of water per day for the toilet10 x 15 l. = 150 l.
- Bathing water.12л. + 75l. + 150l. = 237 liters of water per day





Human water consumption

• Mankind consumes a huge amount of fresh water. By the beginning of the 21st century, water consumption is more than 200 liters per person per day. According to the latest data in large cities, one person uses more than 500 liters per day. Although according to the calculations of specialists per person does not need more than 250 liters of water per day.







WHAT CONCLUSION CAN WEDO WE DO IT?

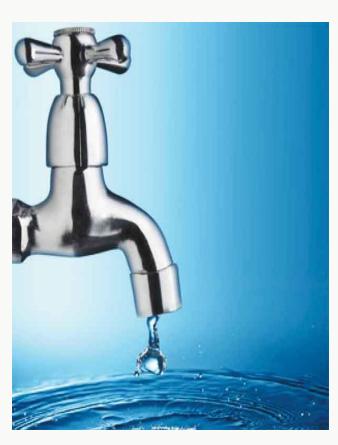




Conclusion: Save water! It is not inexhaustible!



Wash your hands and don't forget to turn off the tap!



It is estimated that 8 liters of water will flow in a minute from a faulty tap.

Save water!

Three drops of water per second from a poorly closed tap is almost 30 liters per day. Remember: Water supplies are not infinite!



Task 7. It is known that 200 liters of water flow through a poorly closed fountain per day. Estimate the losses if there are 2 unclosed taps in your home. What will be the loss for one day?



And for a week?





Task 8: In Petya's house, the kitchen faucet breaks down and drips for 12 minutes and fills a two-hundred-gram glass of water. How many liters of water flow in an hour?









Solution of the problem:

For 12 minutes - 1 cup of water = 200 g.

1 hour = 60 minutes = 5.12 minutes

5. 200 g = 1000 g = 1 liter of water





WHAT CONCLUSION CAN WEDO WE DO IT?





Conclusion: Keep the taps in good condition. Save water!

By saving water, you save family money.

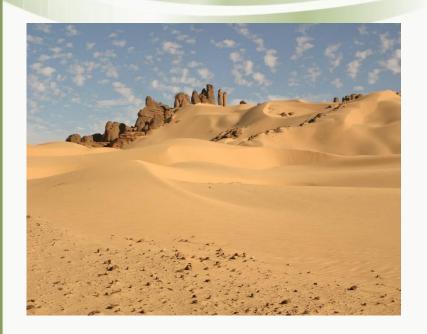






Life without water ...





Imagine that there is not a single drop of water left on the planet. What will happen then? Instead of the ocean of the world - the desert!

All life on Earth will die, the planet will be left without living beings. Scientists have found: a person without food can live 3-4 weeks, and without water 3-4 days, then he will die.

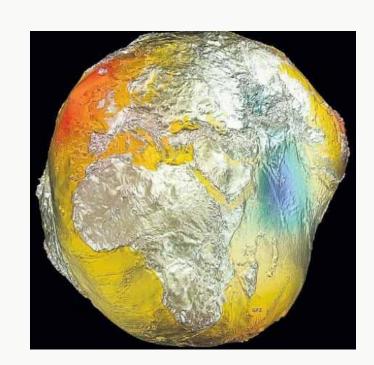




This is what our planet will look like ...



Unpleasant picture ...



Only drought



It's time to think seriously about how to save every pond, every drop of clean water! Humanity is not threatened by a lack of water. It is threatened by something worse - the lack of clean water.









The change is in Our hands and this is one of the ways to feel truly significant.

