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The Kids Campaign to Cool Our Earth!



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Water and Weather



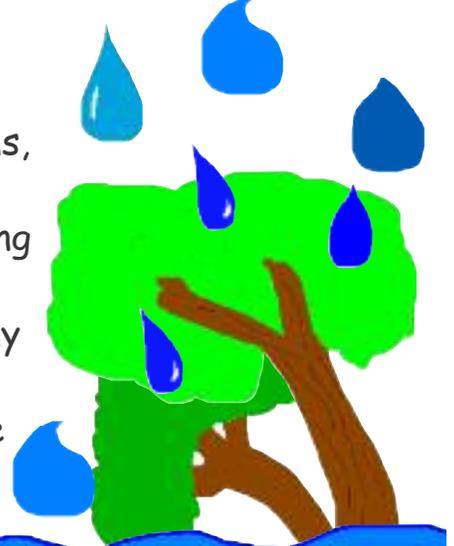
The global warming topics for the letter W are weather and water. Weather is about what is happening in the atmosphere (air around Earth). Is it hot or cold, wet or dry, calm or stormy, clear or cloudy? Most weather activity occurs in the lowest level of the atmosphere called the troposphere.



Climate is the average of what is happening with weather in an area for many years (usually over 30 years). After studying weather for many years, scientists have found that Earth's climate is changing and warming. They have discovered one of the main causes of this warming is too much carbon dioxide (CO₂) in the air. This comes from burning energy when we drive cars, busses and trucks, heating or cooling homes, buildings and business and industry activities. Carbon dioxide creates a blanket around Earth trapping too much heat from the sun. Earth's climate changes because of this heat.



Higher temperatures are making many types of weather and water problems worse. These include storms, heat waves, floods, and droughts (no rain). Earth's surface water such as lakes, streams and rivers are filling with pollution and too much sediment from very heavy downpours of rain. Earth's surface water is home to many plants, fish and animals that can suffer as a result. In many places water is drying up. In some places there are too many bad storms creating too much water and flooding.



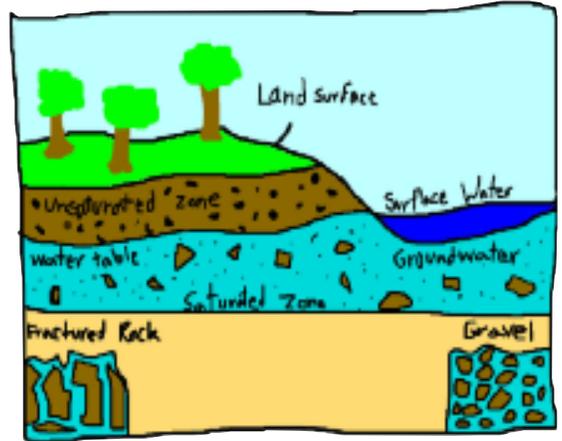
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Groundwater is water below the ground's surface, It moves underground through open spaces in gravel, sand and more. It is water we pump out of Earth to provide drinking water for 51% of people in the U.S. Groundwater quality is getting worse because of extreme weather from global warming.



How can you help?

We need to find ways to protect our surface and groundwater. To do this we must slow global warming. Check out some action steps below. Also remember all previous ideas from [Kid's Campaign to Cool the Earth](#) can be used.

Only Rain Down the Drain By KSE

Have you ever noticed that our roads have drains in them to take flowing water off the roads? These are often called storm drains. Roads are covered with oil, pesticides and trash. Global warming causes more storms so there is more of a chance these items will go down storm drains. Check out this project to limit what goes down the drain.

Tune-up the Earth By KSE

Cars and other vehicles add a lot of carbon dioxide to the air. To stop global warming we have to limit CO₂ in the air. You'll find lots you can do to help Earth in this project.

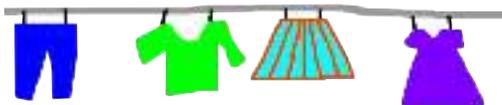


Wonderful World of Water By KSE

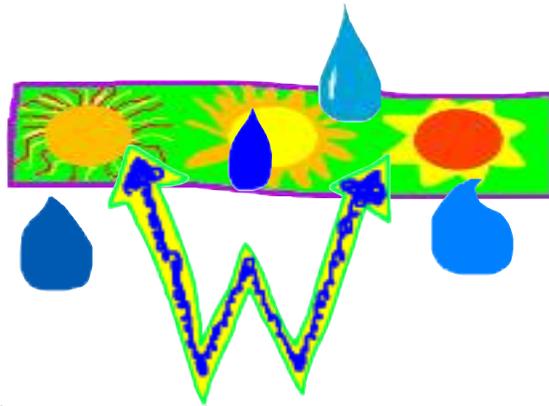
Learn about water: its wonders and its problems.

Wonderful Wind by KSE

A simple way to save energy and CO₂ is to hang your clothes out to dry. Turn off the dryer and put your own energy to work!



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What is climate? What is weather.

https://oceanservice.noaa.gov/facts/weather_climate.html

All about groundwater

<http://www.groundwater.org/get-informed/basics/whatis.html>

Weather problems from global warming

<https://www.nrdc.org/stories/are-effects-global-warming-really-bad>

How does global warming harm groundwater?

<http://blogs.mprnews.org/ground-level/2014/04/how-will-climate-change-affect-groundwater/>

Global Warming and the Water Cycle

http://oceanexplorer.noaa.gov/edu/learning/7_water_cycle/activities/global_warming.html

Extreme weather is getting worse.

<https://www.mprnews.org/story/2015/02/02/climate-change-the-proof>

