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The Kids Campaign to Cool Our Earth!



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Earth is warming. The main cause of this climate change is too much carbon dioxide (CO₂) in Earth's atmosphere (air). When we burn fossil fuels like oil and coal, CO₂ is released into air. Some CO₂ in the air protects Earth from being too cool. However, now we burn too much energy to fuel industry, cars, trucks, and airplanes. Also, we heat and cool more and more homes and businesses. This creates too much CO₂ into Earth's air. It keeps our planet too warm.

There are two reasons the sea is rising. 1. Because of global warming the sea ice is melting in the North and South Poles. 2. Oceans expand as they heat up. When our oceans sea levels rise, millions of people living near shores can lose their homes and businesses. They are also harmed by storms that more easily push ocean water into populated (where people live) areas. Another problem with the seas rising is that salt water in the oceans mix with fresh drinking water.

Solar Power

Although heat coming from the sun and captured beneath the blanket of CO₂ around Earth would seem to be part of global warming problems, it can be one of the solutions. Instead of using fossil fuel energy, we can use sun power for just about any energy need. We also need sun for our health but be a little careful: [Check out UnSun Fun.](#)

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Sea Level and Solar Power

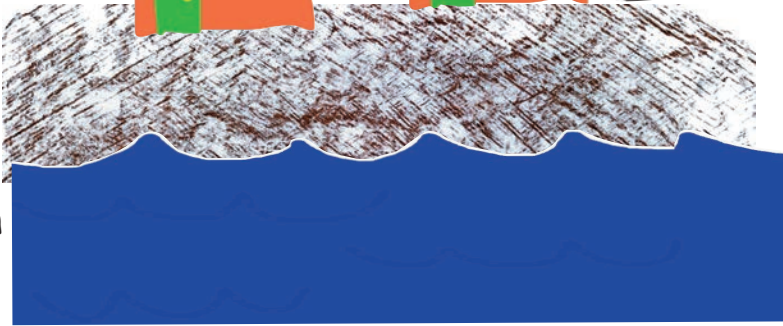


Solar Power is power that comes from the sun. Using this kind of power is a very important way to reduce global warming and slow the rising of ocean waters.

The amount of solar energy Earth receives each day is many times more than the amount of energy people use each day. Let's put the sun to work so we won't have to burn coal and oil which harm our planet.

Scientists have created ways to take sun power and turn it into electric for almost all our energy needs. Sun rays are collected in cells called "photovoltaics." Then they are converted (changed) into electricity. Scientists are working on developing better and less expensive solar cells.

Learn more about sun power by checking out KSE's [A Bright Idea](#).

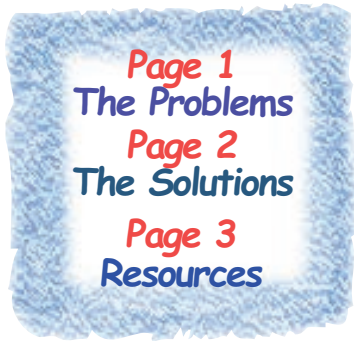


How Can We Help Earth?

Become a KSE Reporter. Write a story about why solar power will help stop global warming. Email it to your local newspaper. Tell them you're a Kids for Saving Earth kid.

Check out [this map](#) of how the sea level might rise in SW United States if we can't slow global warming. Draw this map and show flooded areas in red. Then write a letter to [congressmen](#) to let them know you are worried about flooding from our oceans.

Paint a [KSE switch plate](#) for your bedroom to remind you to turn off lights when you're not using them. You can also make more switch plate reminders for other rooms.



Sea Level and Solar Power Resources

Sea Level: Union of Concerned Scientists

<http://www.climatehotmap.org/global-warming-effects/sea-level.html>

Sea Level: National Geographic

<http://www.nationalgeographic.com/environment/global-warming/sea-level-rise/>

Planet Health: Sea Level

<http://climatekids.nasa.gov/health-report-sea-level/>

Britannica on Global Warming

<http://kids.britannica.com/comptons/article-276220/global-warming>

Global Warming for Kids

<http://www.explainthatstuff.com/globalwarmingforkids.html>

Science Facts on Solar Power

<http://www.sciencekids.co.nz/sciencefacts/energy/solarpower.html>

A Blanket Around the Earth

<https://climate.nasa.gov/causes/>

Solar Cells

<https://www.eecs.mit.edu/eecsenergy/solarpv.html>

Solar Power Uses to stop Global Warming

<https://www3.epa.gov/climatechange/kids/solutions/technologies/solar.html>

