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The Kids Campaign to Cool Our Earth!



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Money and Methane

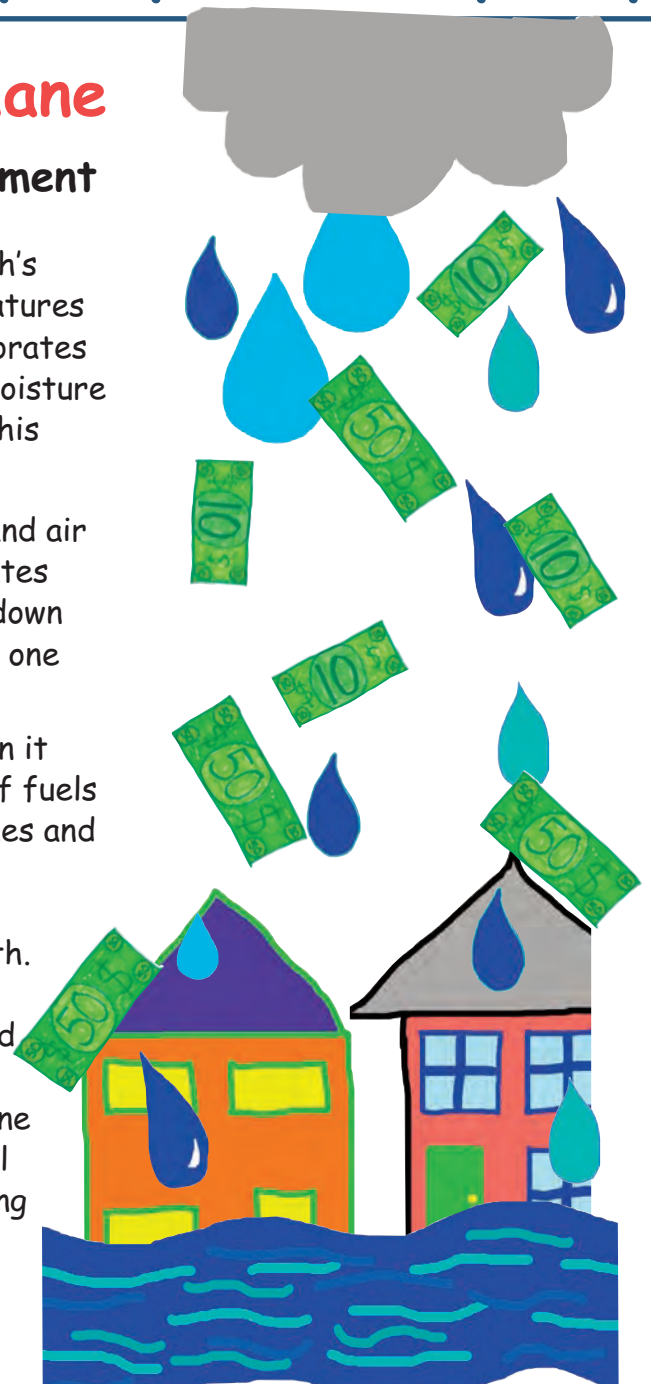
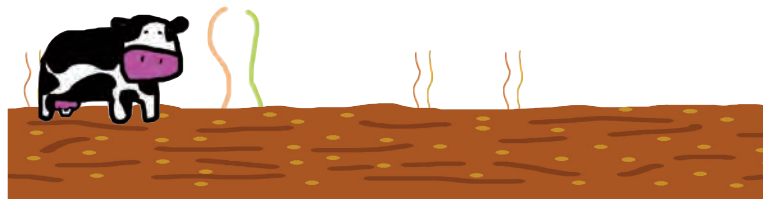
Global Warming is costing the government and us, lots of **money**.

There's a lot of hot air out there! It's causing Earth's climate to change and become warmer. When temperatures rise and the air becomes warmer more moisture evaporates from land and water into Earth's atmosphere. More moisture in air usually means we will see more rain and snow. This means there are more heavy downpours and storms.

The warming of Earth also causes ocean currents and air patterns to change. The location where water evaporates might not be the area where that water comes back down as rain. That's one reason you might see big storms in one spot on Earth and very dry weather in another area.

So we don't want our atmosphere to heat more than it should. It's warming mostly because of the burning of fuels like gas and oil from cars, trucks and heating our homes and businesses.

However, another gas that heats our Earth's air is methane. Methane comes from many sources on Earth. When organic wastes like garbage decompose we get methane. Also sources like wet lands, growing rice and the process of digestion in cattle causes methane. These things are hard to control, but much of methane comes from the process of taking fossil fuels like coal and natural gas out of the ground (extraction). By using more solar and wind power we will use less gas.



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We are having more and more weather events like hurricanes, tornados, and flooding caused by global warming. Because of these our county, state and federal government have to spend huge amounts of money to help people repair their lives. It takes lots money to help people who are hurt and to repair homes and businesses. This means more taxes are needed and it will cost us more money. It's another important reason we have to slow climate change

So let's get to work slowing global warming.

1. You become an educator. Spread the word about using less gas. If you are afraid you can't remember what to say, print out this campaign info to help you remember.
2. Ask your instructor to invite other teachers to join the campaign.
3. Become an [Earth Inspector](#) in your own home and discover how you can use less energy.
4. Support [the KSE rainforest program](#) to help keep Earth forested. Forests absorb carbon dioxide we create by using gas, coal and oil.
5. [Write letters](#) to tell your government leaders that global warming is real and ask them to help make laws to protect us.

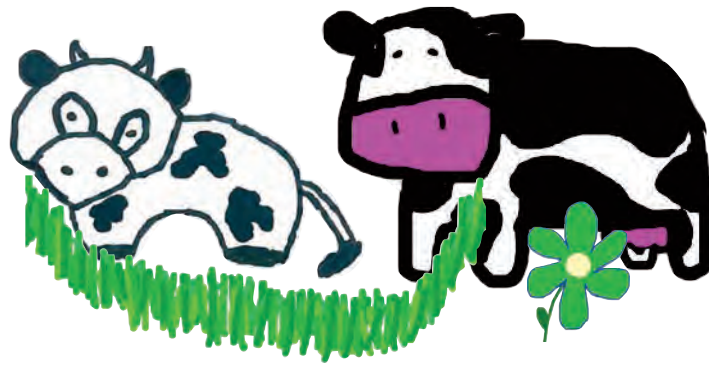
Put methane from garbage to work!

Methane is created when organic waste decays. Garbage dumps release a lot of methane and so does manure at cattle ranches. There are ways to take this methane and use it to make energy. Otherwise it is absorbed into our Earth's atmosphere causing more greenhouse gas which warms the Earth.

More than 500 landfill-to-energy projects are operating in the United States. By 2009, Germany produced enough energy from methane (biogas) to power 3.5 million homes. Learn more by [checking out this link from the EPA](#). Try drawing a picture of the biogas landfill project seen on the link.



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A Students Guide to Global Warming

<https://www3.epa.gov/climatechange/kids/impacts/signs/precip-patterns.html>

Kids Learn About Methane Gas

<http://encyclopedia.kids.net.au/page/me/Methane>
www.kids.net.au

Epa on Methane Gas

<https://www3.epa.gov/climatechange/students/solutions/technologies/methane.html>

Methane Gas info from Clean Water Action

<http://www.cleanwateraction.org/2016/07/22/cutting-methane-leadership-california>

Cutting Methane Gas Emissions to Stop Global Warming. Earth Justice

<http://earthjustice.org/features/everything-you-need-to-know-about-methane?gclid=CJbg2efB2s4CFQobaQodPO4O4g>

Methane as a fuel

<https://www.tvakids.com/electricity/landfill.htm>

The Financial Cost of Global Warming

<https://www.theguardian.com/environment/2012/sep/26/climate-change-damaging-global-economy>