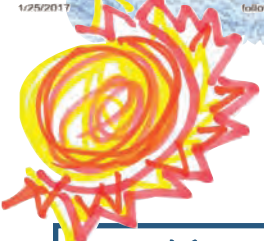


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# The Kids Campaign to

# Cool Our Earth!



from Kids for Saving Earth [kse@kidsforsavingearth.org](mailto:kse@kidsforsavingearth.org) . [www.kidsforsavingearth.org](http://www.kidsforsavingearth.org)

## Tundra and Technology



### What is Tundra?

Tundra is soil that is located just above permanently frozen soil called permafrost. The climate in tundra areas is very cold. During summer Tundra is soft and boggy (squishy). Moss and certain grasses and shrubs can grow in this area, but no trees. There are a few animal species that live in this habitat.

About 20% of the land on Earth is a type of tundra. It is located mostly in northern arctic areas and southern antarctic lands. Another type of tundra is above the tree line on mountain tops.



Polar bears, caribou, arctic fox, arctic hare, snowy owls, migrating birds, and musk oxen count on tundra for their food. Some animals migrate (pass through) on their way to other areas but some animals live on the tundra all year. Even cold tundra has lovely, colorful blooming summer plants.

### What is the problem?

Global warming is caused when too many greenhouse gases like methane and carbon dioxide are released into the air and heat up the atmosphere. If tundra land areas begin to thaw because of Earth warming, it will change the climate and habitat for animals who call it home. The ecosystem of Earth is interconnected and changing a habitat can change survival for certain animals and plants. Scientists continue to study the affects of global warming on tundra as well as what happens to CO<sub>2</sub> and methane as permafrost melts.



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# Technology Can Help Stop Global Warming

There is a lot of technology out there that is not good for Earth such as cars and trucks that gobble up oil and create a lot of pollution. Now, however, there is new technology available to help protect Earth from global warming.

Technology that's not good for Earth produces CO<sub>2</sub> which warms our planet. The technologies shown on this page are some that are healthier for Earth.

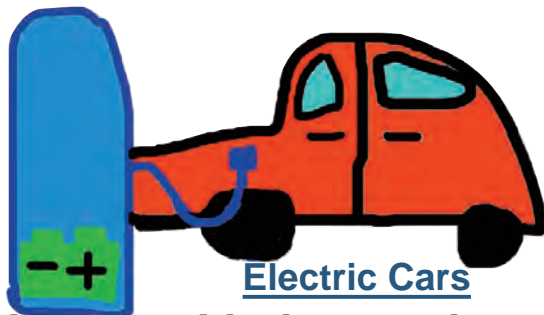
Solar Power



Wind Power

I want to be a scientist and invent things to save the Earth.

Earth-saving technology rules!



Electric Cars

How can I help my planet?

**LED Lights**

Ocean Wave Technology



OPT Powerbuoy

- 📍 Become an inventor and discover more technology to protect Earth
- 📍 Check out tundra animals, plants and flowers. Draw pictures and send them to your government leaders. Ask them to protect tundra.
- 📍 How many adults can you convince to take the KSE Promise? Print it out and ask them to sign it. Then email KSE to let us know how many you convinced to protect Earth.
- 📍 Send a story about your school or class Earth-saving activities. We will place it on our Defender of the Planet page on our KSE web site.



# Tundra and Technology Resources

## **Britannica: What is Tundra?**

<https://www.britannica.com/science/tundra>

## **Tundra's Importance**

<https://www.quora.com/Why-is-the-tundra-biome-globally-important>

## **EPA on Climate Change and Global Warming**

<https://www.epa.gov/climatechange/climate-change-basic-information>

## **National Geographic**

<http://www.nationalgeographic.com/environment/habitats/tundra-threats/>

## **Kids Do Ecology**

<http://kids.nceas.ucsb.edu/biomes/tundra.html>

## **Ocean Wave Energy**

<https://www.boem.gov/Ocean-Wave-Energy/>

## **Electric Car Video**

<http://www.nationalgeographic.org/video/edu-electric-vehicles/>