

Climate change activity #1



For this activity you are going to use this website <https://climatekids.nasa.gov/menu/make/> in order to learn about climate change and complete this activity.

When you open the website you will scroll down to the bottom and then click on the “activities box” and then you will click on “Meet the Greenhouse Gases”.

Currently our earth is going through climate change and there are several factors that are contributing to this change.

1. What are greenhouse gases? What are the main ones?
2. Pick two gases that you think are damaging the earth and why.
3. Next click the “Weather and Climate tab” and describe to me how weather and climate are different.

4. In the “Weather and Climate tab” scroll down and click on the “Polar bear tab”. What is one reason why the warming of the earth is something to be concerned about?
5. In the “How Do Clouds Affect Earth’s Climate tab” tell me two things that the clouds do to the planet.

Answer key

1. What are greenhouse gases? What are the main ones?

Greenhouse gases are gases in Earth's atmosphere that trap heat. They let sunlight pass through the atmosphere, but they prevent the heat that the sunlight brings from leaving the atmosphere.

The main ones are Water vapor, Carbon dioxide, Methane, Ozone, Nitrous oxide and Chlorofluorocarbons.

2. Next click the “Weather and Climate tab” and describe to me how weather and climate are different.

Weather is a specific event, like a rainstorm or hot day, that happens over a few hours, days or weeks. Climate is the average weather conditions in a place over 30 years or more.

- A reason why the warming of the earth is a concern is because one, it will get hotter over time and it has a huge negative impact on the animals and plants.
- Clouds help cool the climate but they also warm the climate

