



Activity 11: Climate Change

How could climate change affect the earth and humans?

Resources

- **The Heat Is On - Global Warming and the Greenhouse Effect**

<http://extension.illinois.edu/treehouse/seasons.cfm?Slide=18>

- **A Student's Guide to Global Climate Change**

<https://archive.epa.gov/climatechange/kids/index.html>

- **Take a Climate Change Expedition**

<https://archive.epa.gov/climatechange/kids/expeditions/index.html>

Instructions

1. Visit the website **The Heat Is On - Global Warming and the Greenhouse Effect**. Use the "Next" button to allow you to read carefully everything about global warming, the greenhouse effect, and carbon dioxide.
2. Visit the website **A Student's Guide to Global Climate Change**. View the video on the main page, titled **Climate Change Basics**, to review global warming issues and solutions. Click the "**Take a Climate Change Expedition!**" link, and then click the flags of locations on the map to learn more about global warming issues around the world.
3. Construct your own "*Effects of Global Warming*" chart that identifies at least five locations around the world, and how these locations could be affected by global warming.

Need a Hint?

Consider the following questions. They are intended to guide you as you complete your Effects of Global Warming chart.

1. If global temperatures warm, how could arctic sea ice be affected?
2. How could climate change affect where crops can be grown?
3. How could climate change affect the number and strength of tropical storms?
4. How could climate change affect the amount of snow that falls in mountain regions?
5. How could global warming affect sea levels?
6. How could climate change affect coral reefs?
7. How could global warming affect the amount of rainfall or amount of trees?
8. How could rising global temperatures affect the spread of diseases?

One last question to ask is how much does the temperature need to rise for these events to happen? Is a small rise in temperature something of concern?

Effects of Global Warming Chart