Name/Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Climate Change**

**Start at** [**http://www.eschooltoday.com/climate-change/Introduction-to-climate-change-for-children.html**](http://www.eschooltoday.com/climate-change/Introduction-to-climate-change-for-children.html) **or Google eschooltoday climate change**

What is climate change?

What is global warming?

Define climate.

Define weather.

What do a greenhouse and a car in the sun have in common?

What is the green house effect?

Diagram how the green house effect happens.

**Go to** [**http://ib.bioninja.com.au/standard-level/topic-4-ecology/44-climate-change/greenhouse-gases.html**](http://ib.bioninja.com.au/standard-level/topic-4-ecology/44-climate-change/greenhouse-gases.html) **or Goolge bioninja Greenhouse Gases**

Name the two green house gases that have the largest warming effect in the atmosphere.

1.

2.

Fill in the pie charts for the proportions of greenhouse gases.

Greenhouse Gases in Atmosphere Man-Made Greenhouse Gases

Explain the two factors which determine how much of an impact the warming of the atmosphere.

1.

2.

**Click on the menu and go to CO2 Concentrations on BioNinja**

While greenhouse gases occur naturally, man is increasing greenhouse gas emission via a number of activities, including:

The greenhouse gas that is increasing most rapidly in the atmosphere is carbon dioxide and the main cause is **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

What data was analyzed to establish as link between global temperatures and carbon dioxide concentrations?

Looking at the data on carbon dioxide emissions, atmospheric concentrations, and global average temperatures: What year did atmospheric carbon concentration begin to exponentially increase?

**Return to echooltoday: Climate change and click on Interesting facts and summarize the following.**

Rising Global Temperatures:

Carbon Dioxide:

Ocean Acidification:

Melting Glaciers:

Give three examples that can lower greenhouse emissions and aid in curbing climate change.

1.

2.

3.