



Investigating Climate Change in the Hall of Planet Earth

1. *What gases besides CO₂ are also considered greenhouse gases?*
2. *What information can geologists extract from ice core samples?*

The Carbon Cycle

List 2 sources of man-made carbon emissions. How could people alter their daily habits to minimize these sources of carbon?

The Effects of climate change on marine ecosystems

1. *Describe the adaptations that animals in Arctic ecosystems and coral reef ecosystems need to survive in their habitats.*



2. How is climate change expected to affect 3 different organisms in the **Arctic** and **Coral reef** ecosystems?

	Impacts
<i>Arctic species 1:</i>	
<i>Arctic species 2:</i>	
<i>Arctic species 3:</i>	
<i>Coral Reef species 1:</i>	
<i>Coral Reef species 2:</i>	
<i>Coral Reef species 3:</i>	

3. Given the high rate of climate change occurring, predict whether you think these species will be able to survive climate change? How will these animals have to adapt?