## Earth

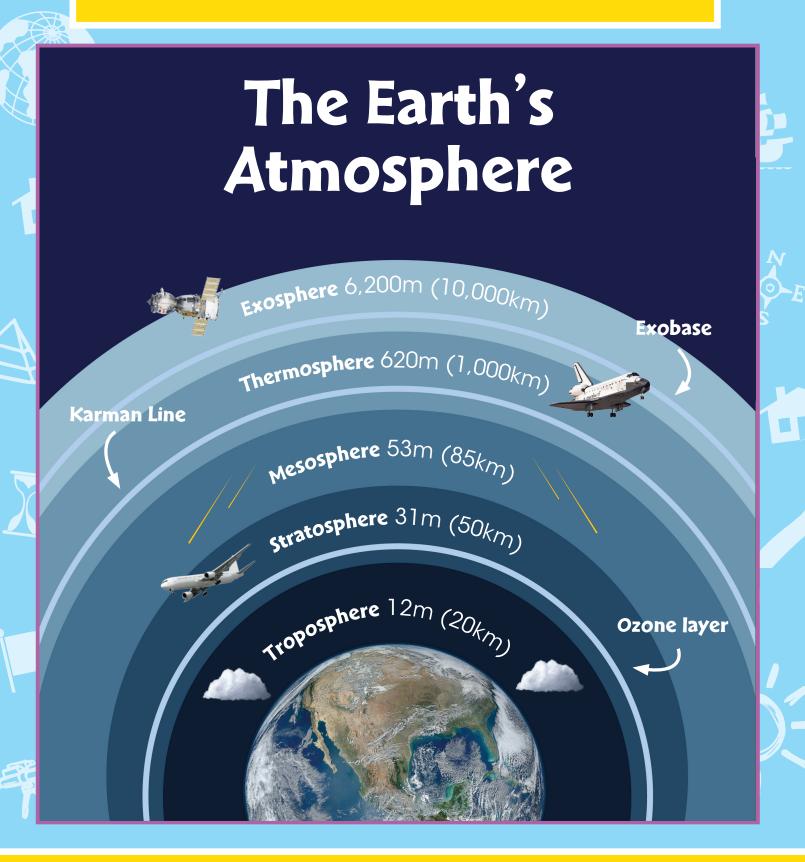




"The atmosphere is the glowing blue ring around Earth, and the white areas of Earth are clouds and ice caps that reflect the most radiation from the Sun."

#### Layers of the Atmosphere





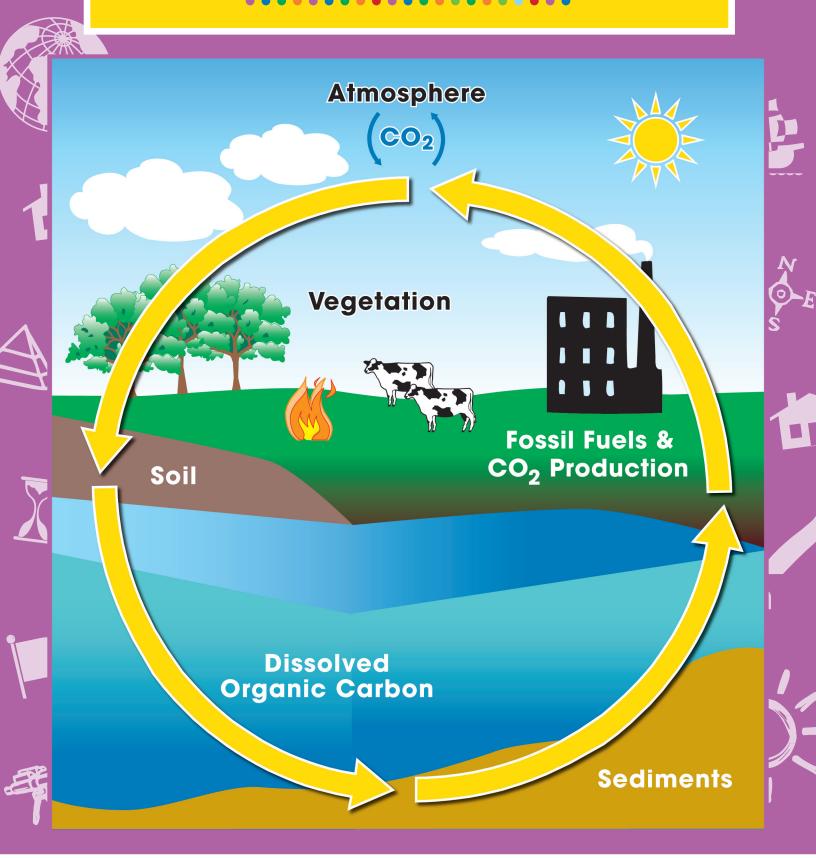
# The Water Cycle





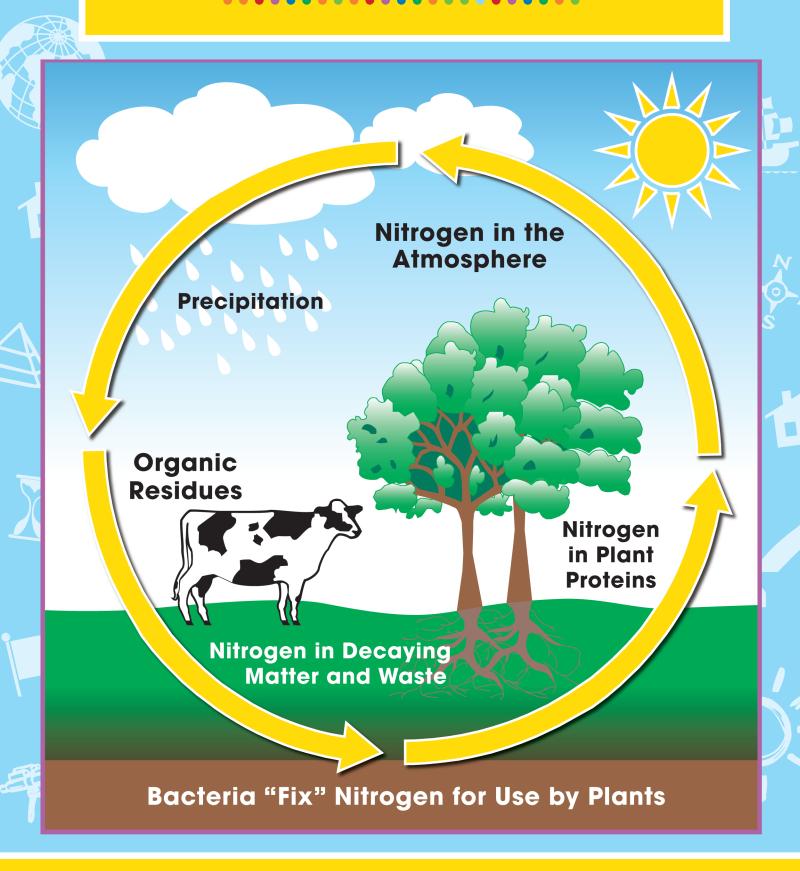
#### The Carbon Cycle





### The Nitrogen Cycle





















		Concentration		Residence Time in
Type of cas	Year 1750 Levels	<b>Current Levels</b>	Difference	Atmosphere
Carbon Dioxide Gas (Parts per million)	280	399	+42%	~ 100 to 300 years
Methane Gas (Parts per billion)	722	1834	+154%	12 years
Nitrous Oxide Gas (Parts per billion)	270	328	+22%	121 years
<b>Fropospheric Ozone Gas</b> (Parts per billion)	237	337	+42%	hours to days
Chlorofluorocarbon Gases CFC-11 CFC-12 (Parts per trillion)	0 0	232 516	+100%	45 years 100 years





#### Arctic & Antarctic Iceburgs





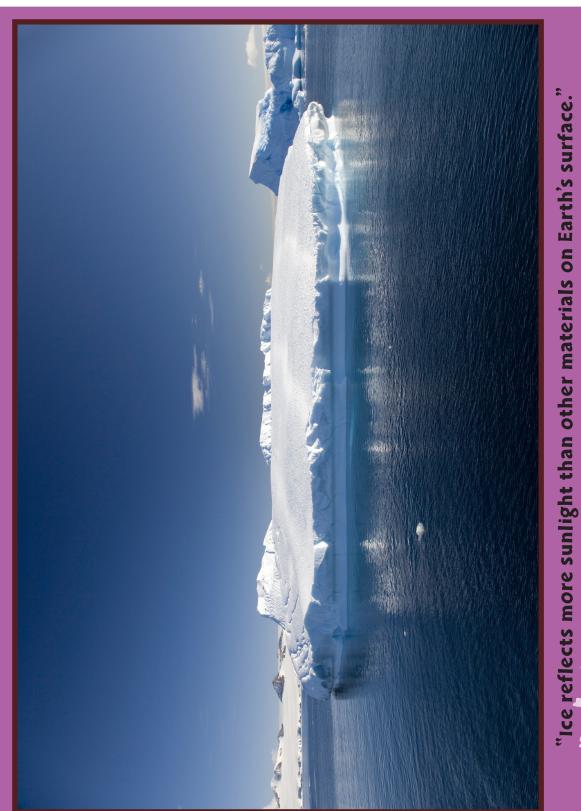














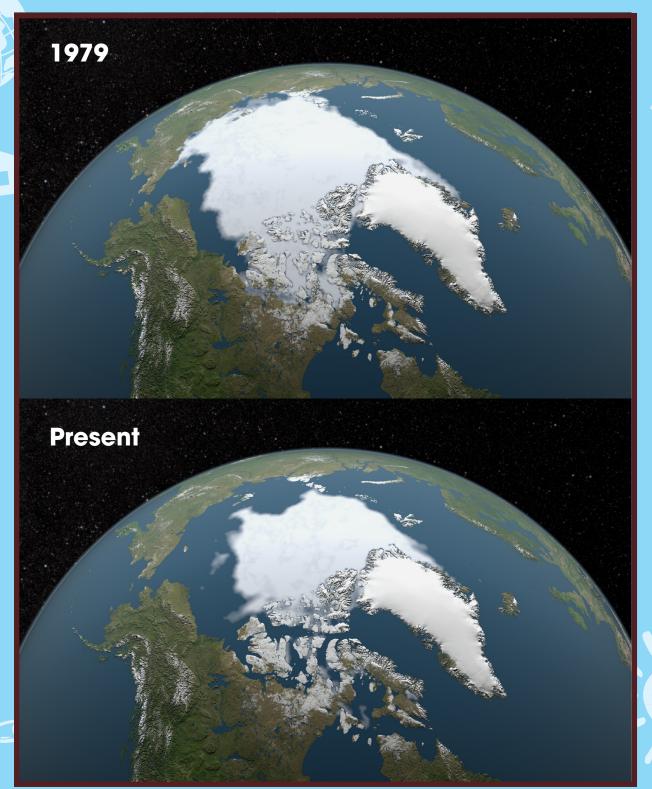


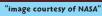




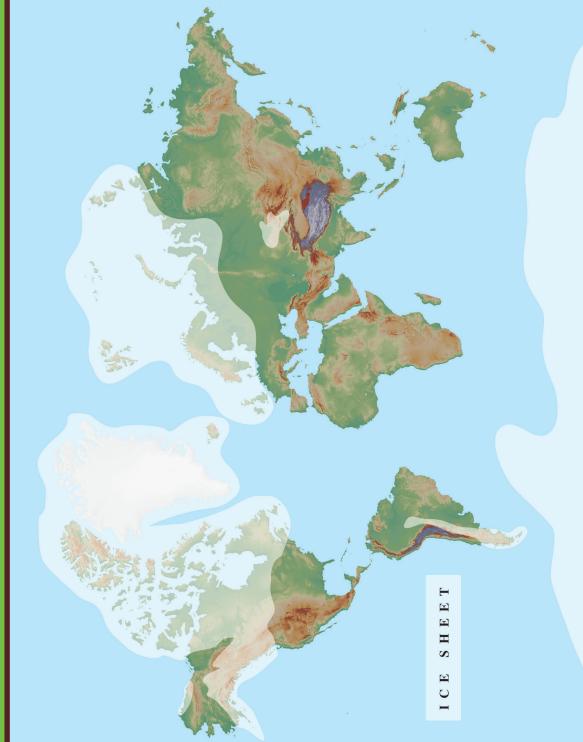
# Arctic Ice Cap Reduction

























#### Shanghai, China







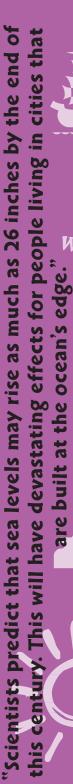




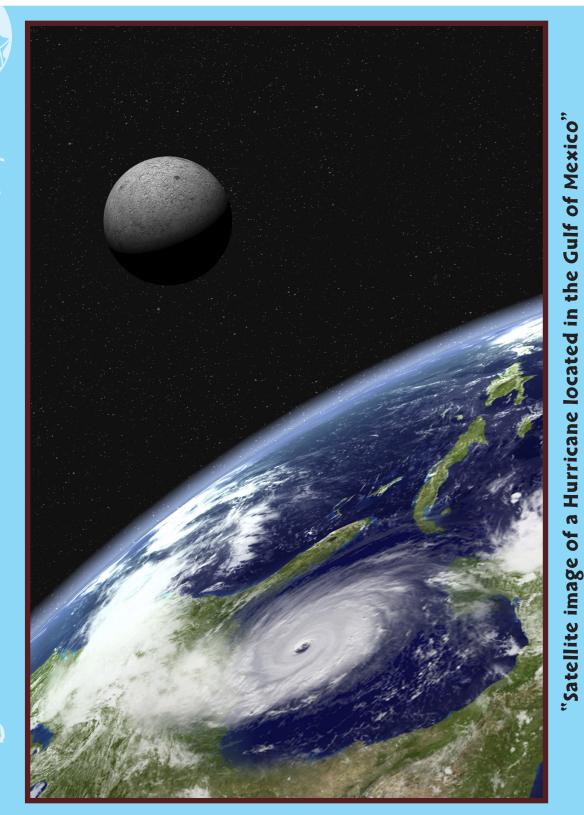








#### Extreme Weather













#### Major World Ecosystems





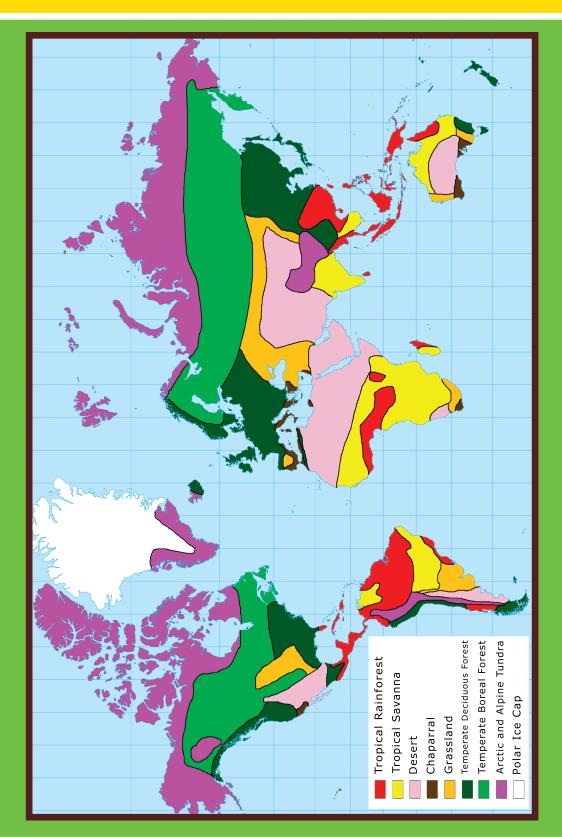






















#### Projections for Climate Change







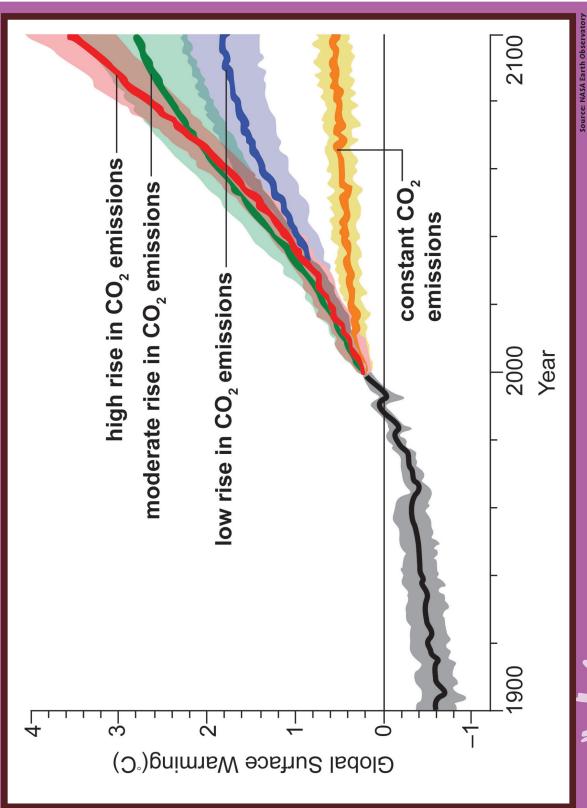














#### Alternative Sources of Energy



Wind turbines and solar cells can be used to generate electricity without greenhouse gas emissions.



#### **Hydroelectric Power Plant**





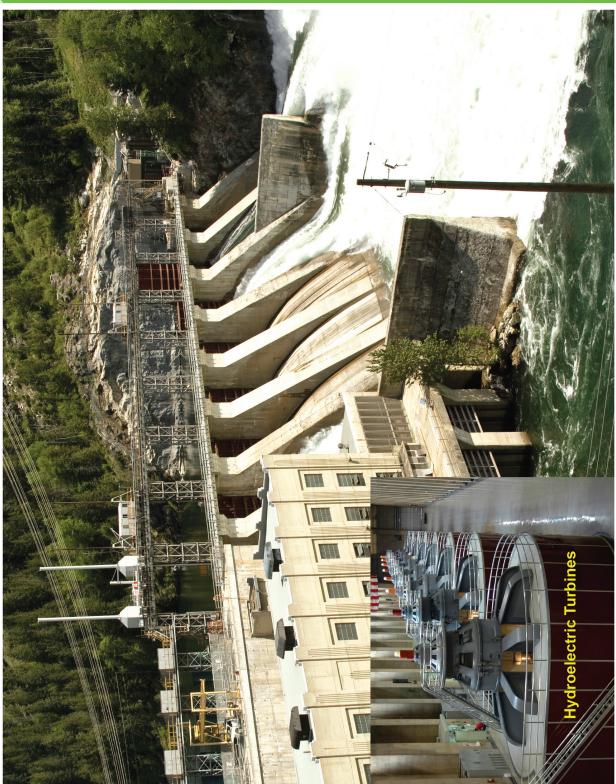






















#### Alternative Energy Automobiles





































# Alternative "Green" Homes and Businesses





#### Abu Dhabi, United Arab Emirates

Georgia

Kazakhstan



















Sudan

**Abu Dhabi** 

Dijbouti