

Humans burn fossil fuels.

CO<sub>2</sub> levels in the atmosphere increase.

Average temperatures on Earth rise.

The ocean gets warmer.

Glaciers shrink in many parts of the world.

Sea level rises.

# Climate Change

# Greenhouse Effect

We found this evidence for Unit 8 on the carbon cycle diagram. The diagram shows how the CO<sub>2</sub> levels increase over time.

Page 102 Shows a table showing CO<sub>2</sub> absorption in the simulation in the glass.

The heat in the atmosphere on the ocean like in the examples on the paper of Arctic sea ice.

G-A shows the Qori Kallis Glacier in Peru. In 1979 from July 2004, the glacier has melted from the ocean getting warmer.

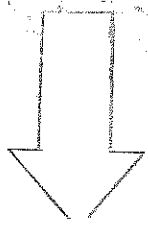
The amount of Arctic sea ice decreases.

We know this due to the experiment in 1965 when the ice sat on the rock. Once it melted the water level rose.

# CAUSE & Effect Flow Chart Student E

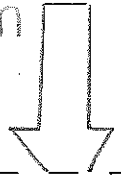
Humans burn fossil fuels.

In 1980, scientist noticed that the amount of CO<sub>2</sub> increased from the combustion of fossil fuel  
Unit 3 pg. 16



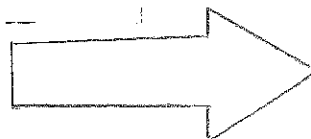
CO<sub>2</sub> levels in the atmosphere increase.

In the past 250 years, the amount of CO<sub>2</sub> increased by about 228 gigatons because of human industry.  
Unit 2 pg. 26



Average temperatures on Earth rise.

Since the CO<sub>2</sub> is a heat-trapping gas, it causes the temperature to rise.  
Unit 3 pg. 10-12



Glaciers shrink in many parts of the world.



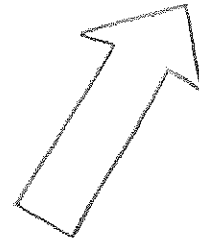
From July 1978 to July 2004, the glaciers were slowly melting in Qori Kalis Glacier, Peru.  
Station 2, G-1

The ocean gets warmer.

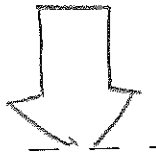


The temperature on Earth rises which heats up the ocean. The ocean absorbs the carbon (heat-trapping gas)  
Unit 3 p. 12

The amount of Arctic sea ice decreases.



The amount of Arctic ice from 1979 to 2007 has changed mildly. A graph called "Arctic Sea Ice Minimum & Measurements 1979-2007" shows the amount of sea ice decreasing.  
(Station 1)



Sea level rises.

Station 3 shows on Graph (L-1) that sea levels have been rising, from 1870-2006. Also on image (L-3) has a color sheet of the sea level changes (Climate change evidence stations) (sheets L-1, L-2, & L-3) (p 21)