Humans burn fossil fuels.

We found this evidence in Unit 3 on the carbon cycle diagram. The diagram shows how the CO_2 levels increase and how they

CO_2 levels in the atmosphere increase.

Page 13 shows a table proving CO_2 absorbs heat from the Class. Simulation in

Average temperatures on Earth rise.

The heat in the atmosphere lands on the Ocean like in the examples on the S1-3 Ruler of Arctic Sea ice

The ocean gets warmer.

Glaciers shrink in many parts of the world.

G-1 shows the Qori Kalis Glacier in Peru. In 1978 from July 2004, the glacier has melted from the ocean getting warmer

The amount of Arctic sea ice decreases.

Sea level rises.

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

Climate Change

Cause + effect

CAUSE & Effect Flow Chart

Student E

Humans burn fossil fuels.

In 1980, scientist noticed that the amount of CO_2 increased from the combustion of fossil fuel
Unit 3 pg. 16

CO_2 levels in the atmosphere increase.

In the past 250 years, the amount of CO_2 increased by about 228 gigatons because of human industry.
Unit 2 pg. 26

Average temperatures on Earth rise.

Since the CO_2 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)