In what ways are humans involved in global change?

 global change -

How is current global change different from historic global change?

 global climate change -

How is climate change similar to or different from global change?

 global warming -

How does the energy of the Sun cause Earth to heat?

What is a greenhouse gas?

Which greenhouse gases are the most common on Earth?

 greenhouse warming potential?

What determines the effect of a greenhouse gas?

Which greenhouse gas has the strongest effect?

What are the main natural and anthropogenic sources of greenhouse gases?

Which of the anthropogenic sources are the easiest to reduce and why?

Why do we rank the sources of greenhouse gases?

What are the differences in CO2 emissions in developed and developing nations?

How do scientists know the concentration of atmospheric CO2 or the average global temperature from the distant past? What are the ways they can tell?

What are climate models important?

What are some challenges associated with the climate models?

What are positive and negative feedbacks?

What is an example of positive and a negative feedback in climate change?

What is the benefit of identifying positive and negative feedbacks?

What is the evidence that global warming is affecting Earth?

What changes are predicted to occur as temperature increases?

How will climate change affect humans?

What are some examples of direct and indirect effects?

What is the Kyoto Protocol?

How is the Kyoto Protocol an example of the precautionary principle?

 carbon sequestration -

How will the Kyoto Protocol affect developing countries?

How will the Kyoto Protocol affect developed countries?