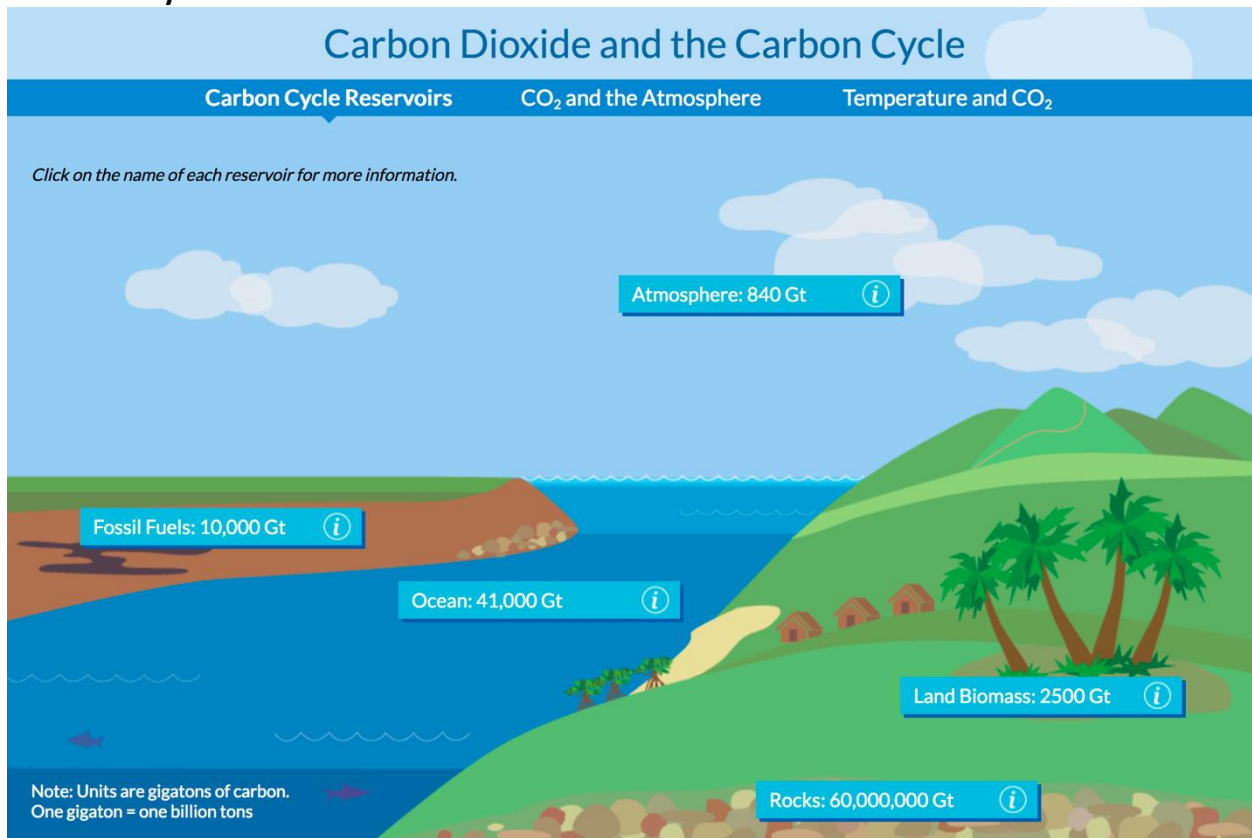


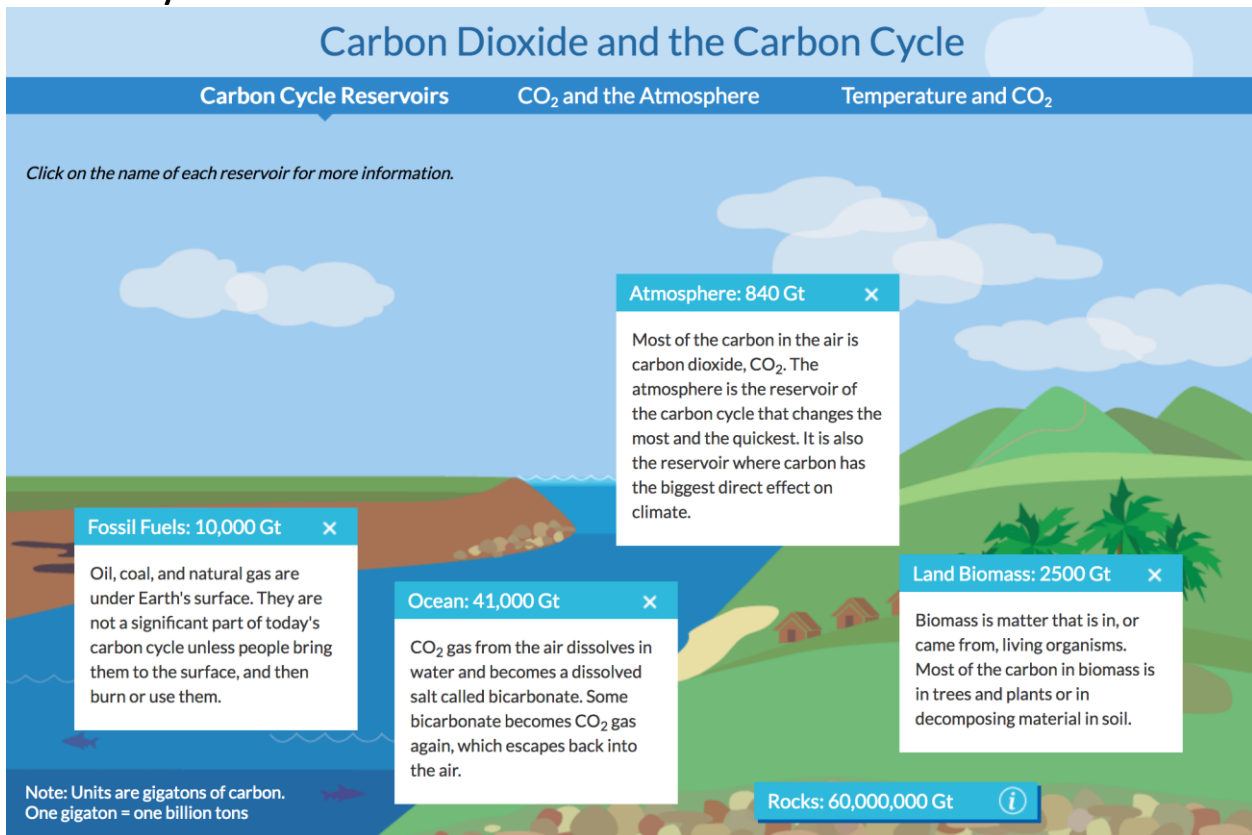
# Carbon Dioxide and the Carbon Cycle

<https://rmpbs.pbslearningmedia.org/resource/pcep14.sci.ess.co2cycle/carbon-dioxide-carbon-cycle/#>

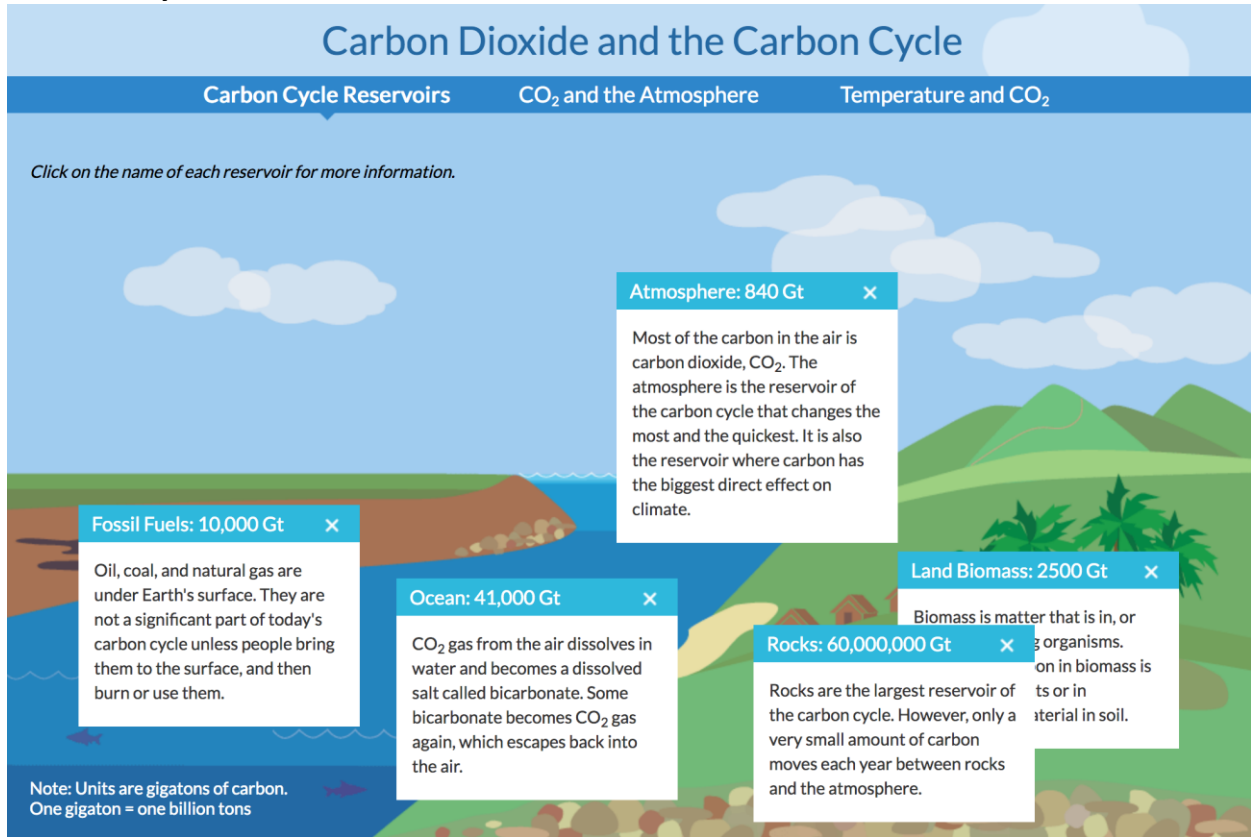
## A. Carbon Cycle Reservoirs:



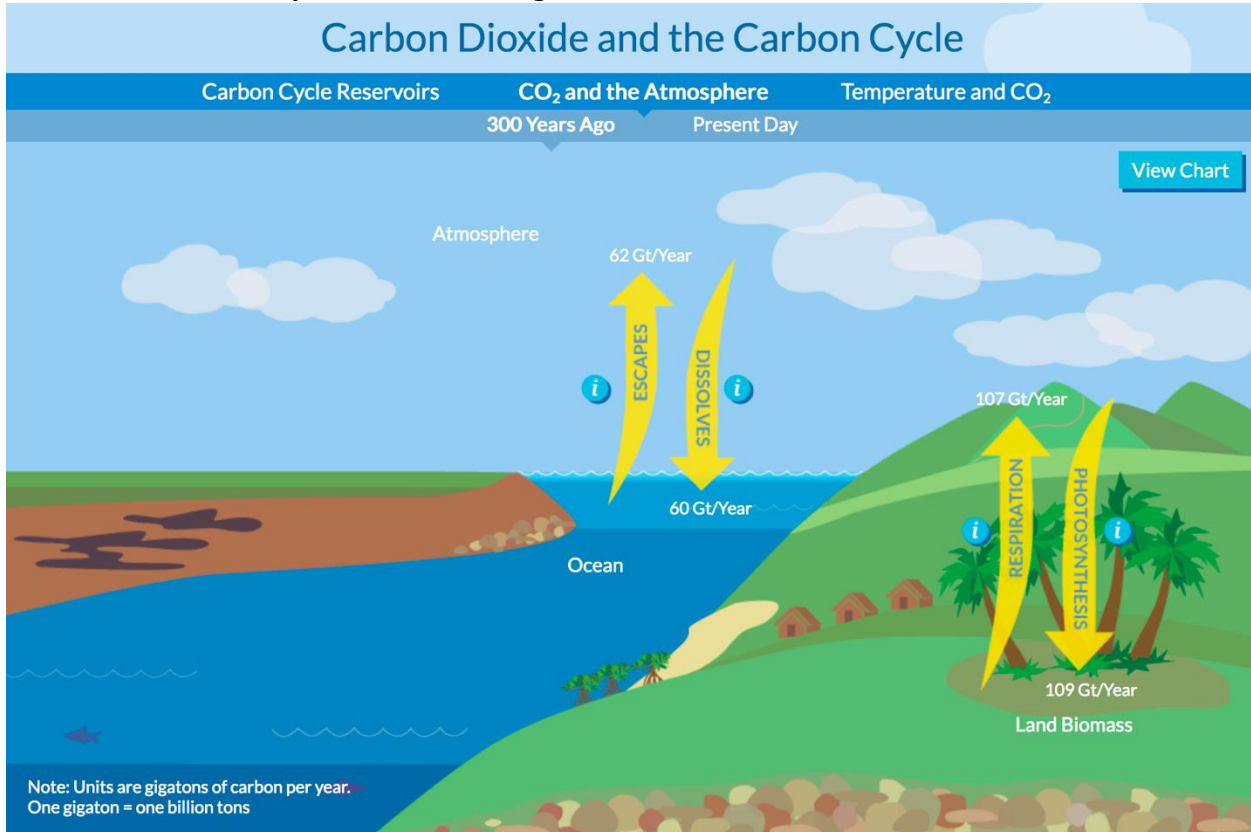
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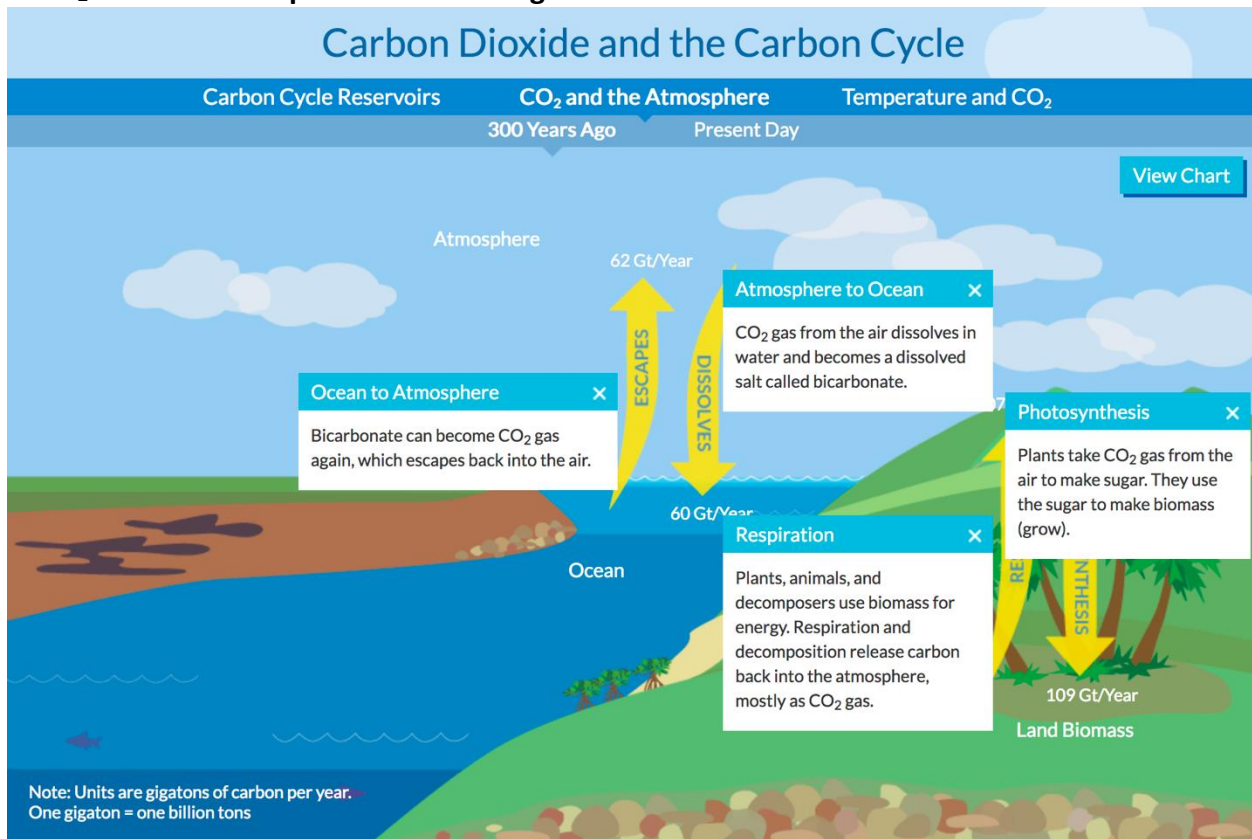
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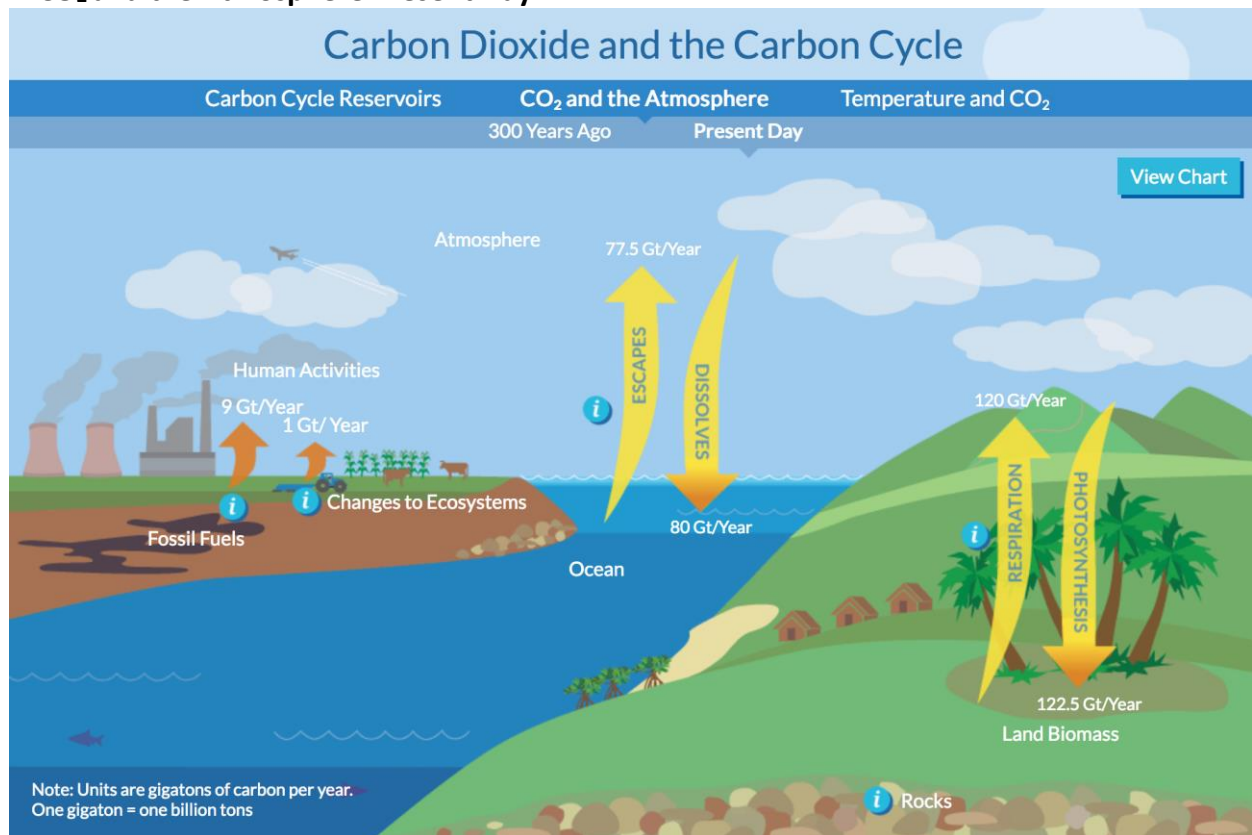
### D. CO<sub>2</sub> and the Atmosphere 300 Years Ago:



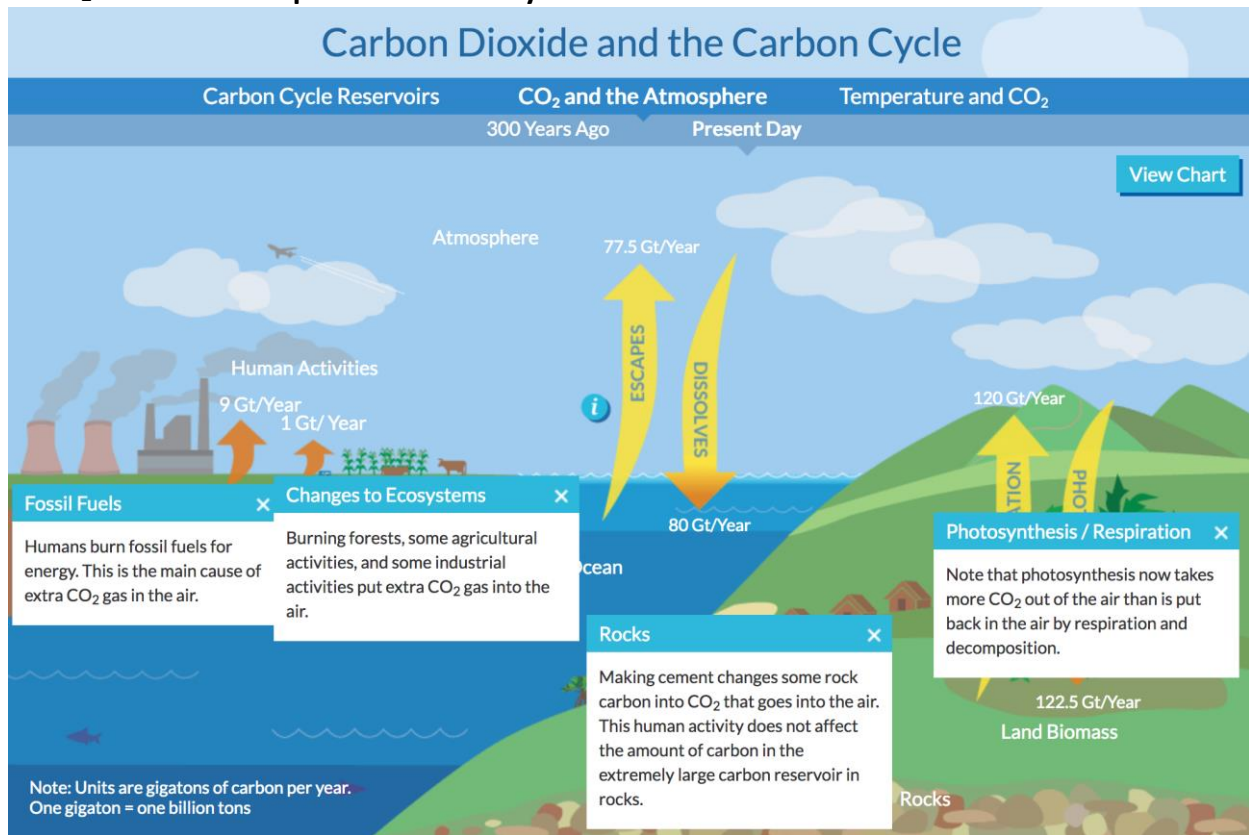
### E. CO<sub>2</sub> and the Atmosphere 300 Years Ago:



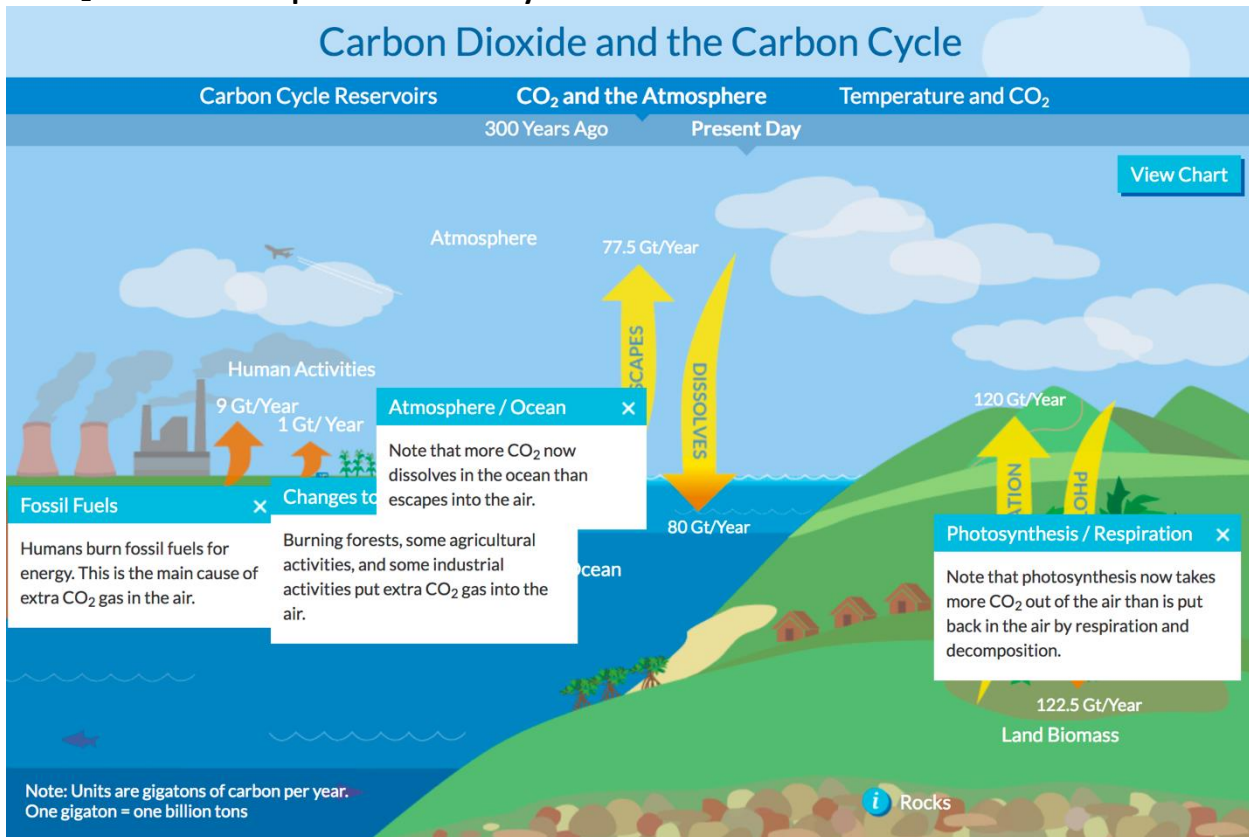
### F. CO<sub>2</sub> and the Atmosphere Present Day:



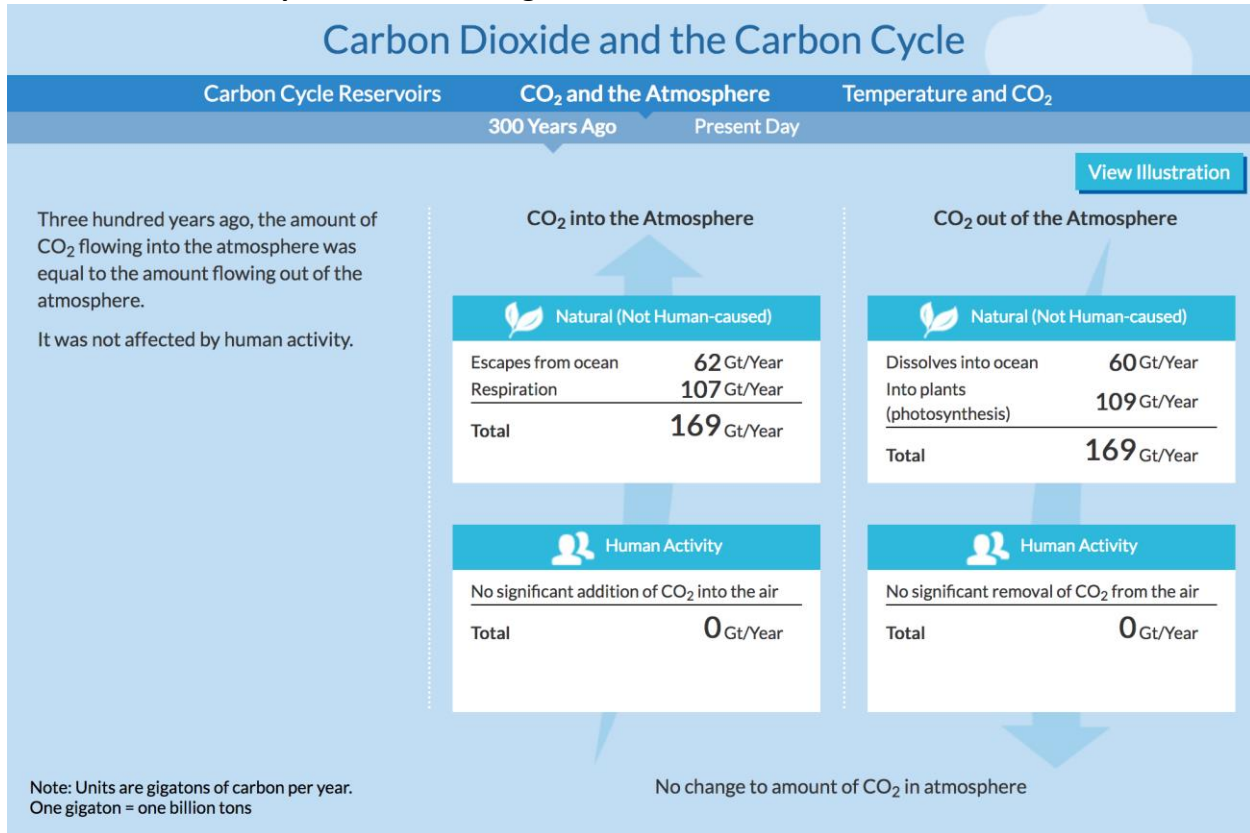
## G. CO<sub>2</sub> and the Atmosphere Present Day:



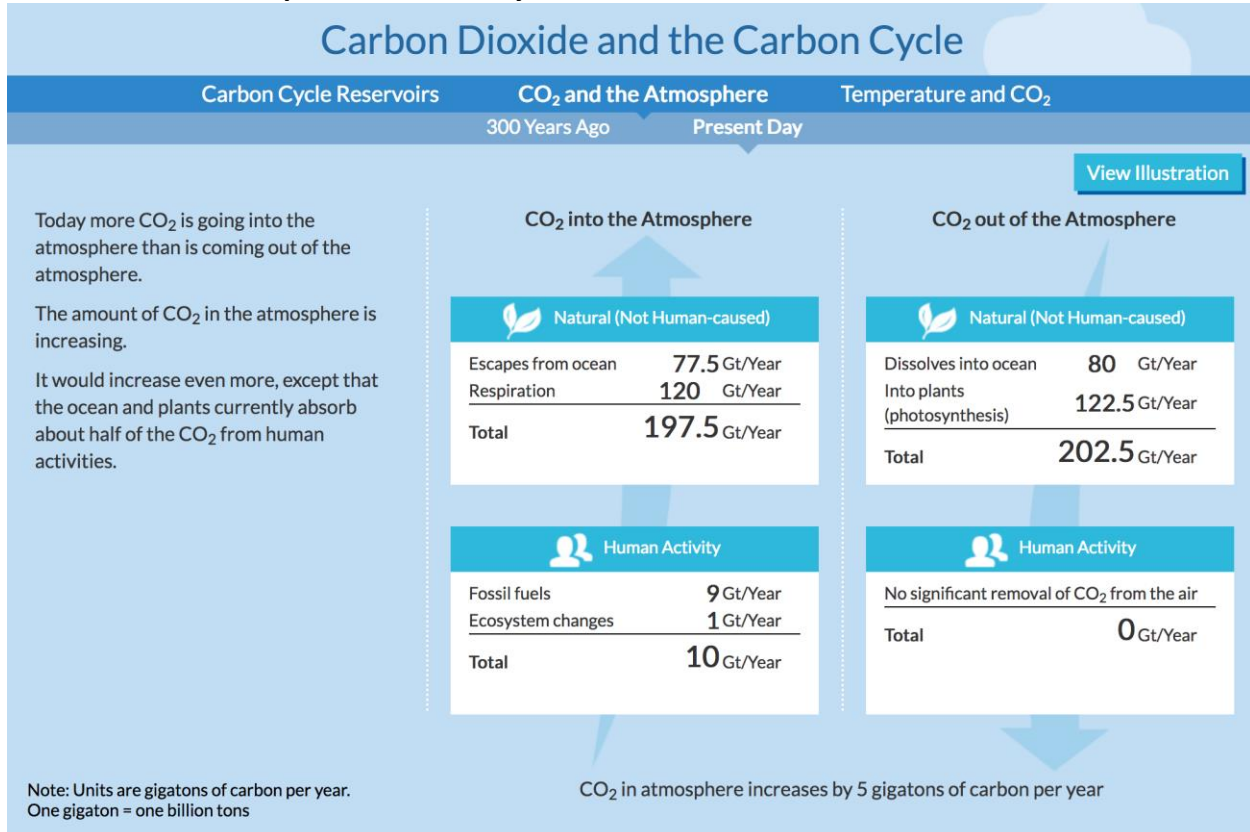
## H. CO<sub>2</sub> and the Atmosphere Present Day:



## I. CO<sub>2</sub> and the Atmosphere 300 Years Ago:



## J. CO<sub>2</sub> and the Atmosphere Present Day:



## K. Temperature and CO<sub>2</sub>:

### Carbon Dioxide and the Carbon Cycle

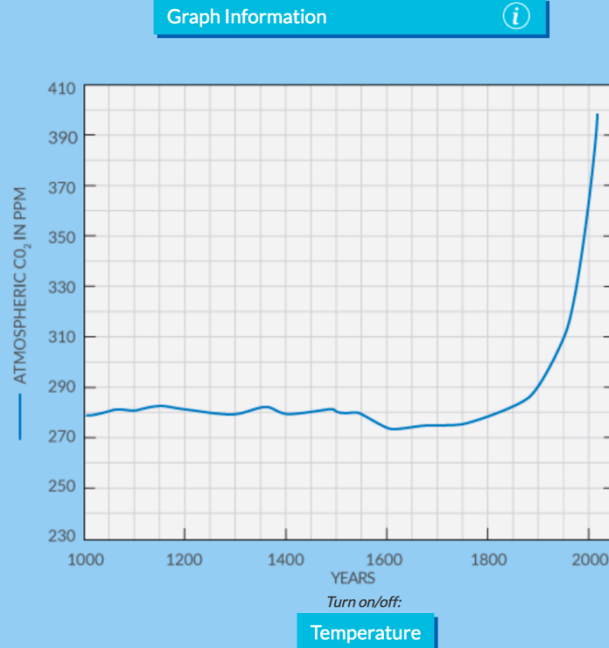
Carbon Cycle Reservoirs

CO<sub>2</sub> and the Atmosphere

Temperature and CO<sub>2</sub>

#### Temperature and CO<sub>2</sub> over the Past 1,000 Years

Starting around the year 1800, human activities, especially the burning of fossil fuels, have increased the amount of CO<sub>2</sub> in the atmosphere. The amount is increasing rapidly and is now higher than it has been at any time in the past million or more years.



## L. Temperature and CO<sub>2</sub>:

### Carbon Dioxide and the Carbon Cycle

Carbon Cycle Reservoirs

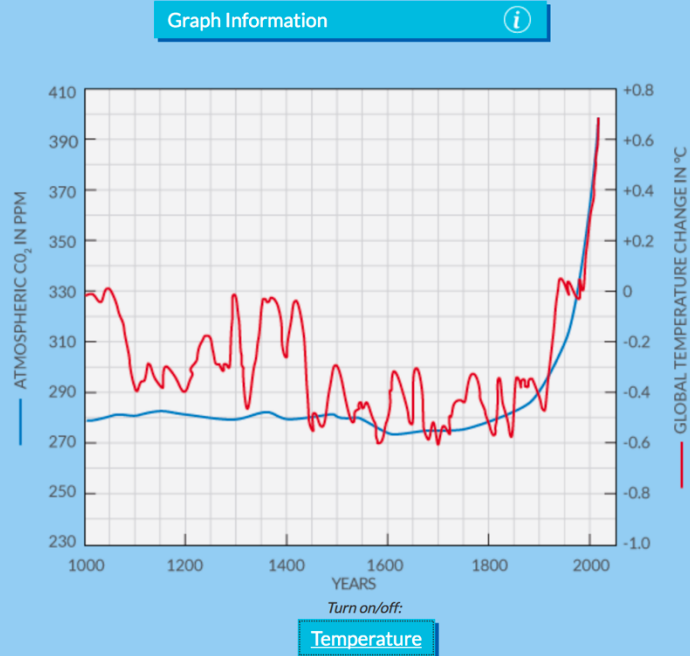
CO<sub>2</sub> and the Atmosphere

Temperature and CO<sub>2</sub>

#### Temperature and CO<sub>2</sub> over the Past 1,000 Years

Starting around the year 1800, human activities, especially the burning of fossil fuels, have increased the amount of CO<sub>2</sub> in the atmosphere. The amount is increasing rapidly and is now higher than it has been at any time in the past million or more years.

Since 1980, the global temperature has increased rapidly. Earth is now significantly warmer than it has been in the past 1,000 years. The CO<sub>2</sub> released into the air by human activities is the major cause of this global warming.



## M. Temperature and CO<sub>2</sub>:

# Carbon Dioxide and the Carbon Cycle

Carbon Cycle Reservoirs

CO<sub>2</sub> and the Atmosphere

Temperature and CO<sub>2</sub>

### Temperature and CO<sub>2</sub> over the Past 1,000 Years

Starting around the year 1800, human activities, especially the burning of fossil fuels, have increased the amount of CO<sub>2</sub> in the atmosphere. The amount is increasing rapidly and is now higher than it has been at any time in the past million or more years.

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