**Natural Greenhouse Effect**
The greenhouse effect is a natural warming process. Carbon Dioxide ($\text{CO}_2$) and certain other gases are always present in the atmosphere. These gases create a warming effect that has some similarity to the warming inside a greenhouse, hence the name "greenhouse effect".

**Enhanced Greenhouse Effect**
Increasing the amount of greenhouse gases intensifies the greenhouse effect. This side of the globe simulates conditions today, roughly two centuries after the Industrial Revolution began.

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*Source: Marion Koehler Science Museum of the National Academy of Sciences*

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**Figure 22-2**
The Greenhouse Gas Effect
DWR Total Emissions with Alternative 1A, 1990–2050
Figure 22-4
DWR Total Emissions with Alternative 1A and REPP, 1990–2050
Figure 22-7
DWR Total Emissions with Alternative 1C, 1990–2050
Figure 22-8
DWR Total Emissions with Alternative 1C and REPP, 1990–2050
Figure 22-9
DWR Total Emissions with Alternative 2A, 1990–2050
Figure 22-11
DWR Total Emissions with Alternative 2B, 1990–2050
Figure 22-12
DWR Total Emissions with Alternative 2B and REPP, 1990–2050
Figure 22-13
DWR Total Emissions with Alternative 2C, 1990–2050
Figure 22-14
DWR Total Emissions with Alternative 2C and REPP, 1990–2050
Figure 22-15

DWR Total Emissions with Alternative 3, 1990–2050
Figure 22-16

DWR Total Emissions with Alternative 3 and REPP, 1990–2050
Figure 22-17
DWR Total Emissions with Alternative 4, 1990–2050
Figure 22-18
DWR Total Emissions with Alternative 4 and REPP, 1990–2050
Figure 22-19
DWR Total Emissions with Alternative 5, 1990–2050