

The Role of Carbon Dioxide

Use what you know, a computer, or a textbook to research the answers to the following questions. Be mindful about what sources you use online; websites like the CDC.gov, Climate.gov, and NOAA.gov are trustworthy sources of information about climate change. Use additional paper if necessary.

1. What is Carbon? What is Carbon Dioxide?

2. Use the diagram to write the steps of the Greenhouse Effect.



3. What role does Carbon Dioxide play in the Greenhouse Effect?

4. Why are Carbon Dioxide levels increasing?

5. How can we lower Carbon Dioxide levels? How can we reduce the amount added to the atmosphere each day?

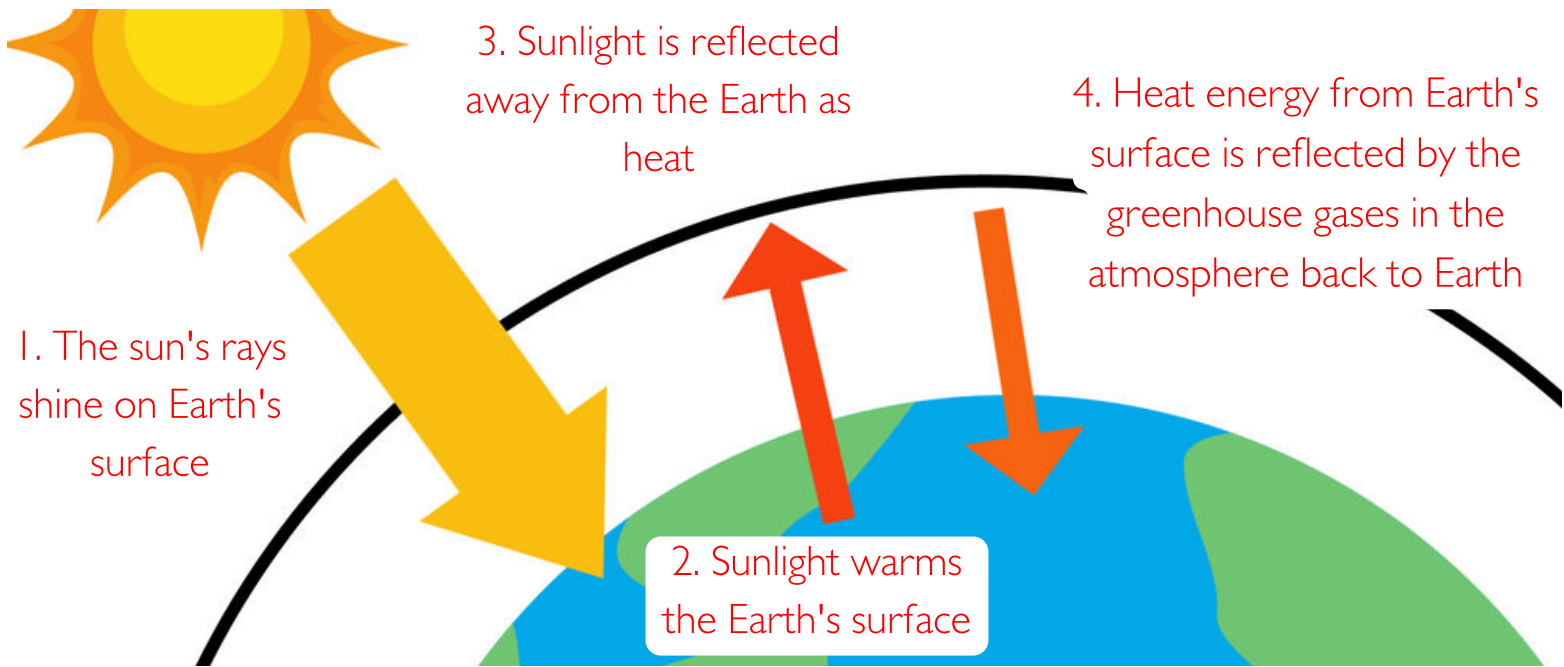
The Role of Carbon Dioxide **ANSWERS**

Use what you know, a computer, or a textbook to research the answers to the following questions. Be mindful about what sources you use online; websites like the CDC.gov, Climate.gov, and NOAA.gov are trustworthy sources of information about climate change. Use additional paper if necessary.

1. What is Carbon? What is Carbon Dioxide?

Carbon is an element on the periodic table. Carbon dioxide is a molecule made up of one carbon and two oxygen that is most commonly found as a gas in our atmosphere.

2. Use the diagram to write the steps of the Greenhouse Effect.



3. What role does Carbon Dioxide play in the Greenhouse Effect?

Carbon dioxide is a greenhouse gas, it traps heat in the atmosphere.

4. Why are Carbon Dioxide levels increasing?

Carbon Dioxide levels are increasing due to the increased burning of fossil fuels. As human population rises and more countries use more technology the demand for energy grows.

5. How can we lower Carbon Dioxide levels? How can we reduce the amount added to the atmosphere each day?

Carbon Dioxide levels can be lowered by planting trees to sequester carbon. We can reduce how much carbon we produce each day by making small choices like using less electricity, choosing to ride a bike, walk, or take public transportation, turning off things when not in use, and voting for candidates that support green energy like solar and wind power.