

Name _____

Can Too Much Carbon Dioxide in the Air Be Harmful?

Multiple Choice Questions

1. What is the primary concern associated with excess carbon dioxide in the atmosphere?
 - a. Depletion of the ozone layer
 - b. Ocean acidification
 - c. Increased oxygen levels
 - d. Enhanced plant growth

2. What is the greenhouse effect, and why is it necessary for Earth's climate?
 - a. It cools the Earth by reflecting sunlight.
 - b. It traps heat in the atmosphere, keeping the planet warm enough for life.
 - c. It generates greenhouse gases.
 - d. It causes severe weather events.

3. How do human activities contribute to increased carbon dioxide levels in the atmosphere?
 - a. By planting more trees
 - b. By reducing energy consumption
 - c. By burning fossil fuels and deforestation
 - d. By reducing industrial emissions

4. What is ocean acidification, and how does excess CO₂ contribute to it?
 - a. It is the process of turning seawater into fresh water.
 - b. It makes seawater less acidic, promoting marine life.
 - c. It is the result of reduced CO₂ absorption by the oceans.
 - d. It makes seawater more acidic, harming marine organisms.

5. What health effects can be caused by breathing in elevated concentrations of carbon dioxide indoors?
 - a. Increased energy and alertness
 - b. Improved cognitive function
 - c. Dizziness, headaches, and impaired cognitive function
 - d. Enhanced physical fitness

