

Name _____

Unveiling the Greenhouse Effect: A Key Player in Climate Change

Multiple Choice Questions

1. What is the greenhouse effect?
 - a) Natural process that traps heat in the atmosphere
 - b) Cooling of Earth's atmosphere
 - c) Increase in cloud cover
 - d) Depletion of ozone layer

2. Which gases contribute to the greenhouse effect?
 - a) Oxygen and nitrogen
 - b) Carbon dioxide and methane
 - c) Sulfur dioxide and nitrogen oxides
 - d) Helium and argon

3. How does the greenhouse effect relate to climate change?
 - a) It causes depletion of the ozone layer
 - b) It leads to cooling of the Earth's surface
 - c) It intensifies global warming
 - d) It decreases the greenhouse gas concentration

4. What happens when greenhouse gases trap heat in the atmosphere?
 - a) Earth's surface cools down
 - b) Infrared radiation escapes into space
 - c) Heat is absorbed by the oceans
 - d) Temperature increases on Earth's surface

5. How can we mitigate the effects of climate change related to the greenhouse effect?
 - a) By increasing greenhouse gas emissions
 - b) By protecting forests and reducing deforestation
 - c) By burning more fossil fuels
 - d) By using more coal-powered plants

