Quiz

1. Greenhouse gases (GHGs) play a critical role in climate change by trapping heat in the Earth's atmosphere. – True or False

***Correct Answer: True***

2. The primary greenhouse gases contributing to global warming include which of the following?

A) Carbon Dioxide (CO2)

B) Methane (CH4)

C) Nitrous Oxide (N2O)

D) All of the above

***Correct Answer: D***

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the most significant GHG emitted by human activities, particularly from the combustion of fossil fuels and biomass for energy and transportation.

A) Carbon Dioxide (CO2)

B) Methane (CH4)

C) Nitrous Oxide (N2O)

D) All of the above

***Correct Answer: A***

4. What is ocean acidification and how does it occur?

A) It is a process where CO2 emissions are absorbed by seawater, increasing pH levels.

B) It is a phenomenon where CO2 emissions are absorbed by seawater, leading to a decrease in pH levels.

C) It is the warming of ocean waters due to greenhouse gases, which decreases pH levels.

D) It is the loss of marine biodiversity caused by increased temperatures and increased pH levels.

***Correct Answer: B***

5. Which of the following are effective measures for reducing an individual's carbon footprint?

A) Using energy-efficient appliances, lighting, and insulation.

B) Opting for public transportation, carpooling, biking, or walking, and considering electric or hybrid vehicles.

C) Practicing reduce, reuse, and recycle principles to minimize waste.

D) Adopting a diet with lower meat and dairy consumption, and employing water-saving fixtures.

E) All of the above

***Correct Answer: E***