

Name: _____

Date: _____

1. Ozone, abbreviated as O₃, is composed of how many oxygen atoms?
 - A. One
 - B. Two
 - C. Three
 - D. Four

2. Ground-level ozone can cause which of the following health problems?
 - A. Happiness
 - B. Eye irritation
 - C. Growth in plants
 - D. Increase in appetite

3. Which chemicals threaten the upper ozone layer due to their release from man-made sources?
 - A. Hydrocarbons
 - B. Ozone-depleting substances (ODS)
 - C. Carbon dioxide
 - D. Water vapor

4. UV radiation that is only partially absorbed by the ozone layer and can cause damage to biological organisms is abbreviated as:
 - A. UVA
 - B. UVB
 - C. UVC
 - D. UVD

5. What combines with oxides of nitrogen (NO_x) in the atmosphere in the presence of sunlight to generate ground-level ozone (O₃)?
 - A. Carbon dioxide
 - B. Water vapor
 - C. Hydrogen
 - D. Unburned hydrocarbon (HC. emissions)

6. The carbon footprint primarily represents:
 - A. The weight of a vehicle
 - B. The effect a person or organization has on the climate in terms of GHG produced
 - C. The amount of food consumed
 - D. The carbon content in soil

7. Which process involves storing carbon dioxide underground?
 - A. Decarbonization
 - B. Carbon tracing
 - C. Sequestration
 - D. Carbon modulation

8. Which action does NOT contribute to reducing one's carbon footprint?

- A. Turning up central heating significantly
- B. Unplugging the cell phone once charged
- C. Turning electrical devices off when not in use
- D. Traveling using carbon-footprint-friendly vehicles

9. What does acid rain typically damage, leading to environmental concerns?

- A. Fish because it makes lakes and streams more acidic
- B. Strengthening building structures
- C. Enriching soil nutrients
- D. Increasing freshwater reserves

10. Which of the following vehicles is likely to have the least carbon footprint?

- A. A gasoline-powered truck
- B. An electric vehicle (EV)
- C. A diesel-powered car
- D. A vehicle running on coal

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Chapter 7

Multiple Choice Quiz B

Answer Key

1. C

2. B

3. B

4. B

5. D

6. B

7. C

8. A

9. A

10. B