1. **Stratospheric ozone, the ozone layer in the upper atmosphere,**

a. needs to be reduced
b. protects us from the harmful rays of sunlight
c. causes skin cancer

1. **Ground-level ozone pollution is**

a. also called tropospheric ozone
b. harmful to people with asthma
c. harmful to athletes
d. harmful to animals and plants
e. all of the above

1. **High ozone pollution levels are most likely to occur during**

a. cold, rainy days
b. cool, windy nights
c. hot, sunny days

1. **Tropospheric ozone is**

a. a gaseous emission from industry smokestacks and vehicle tailpipes
b. one of the main constituents of smog
c. formed on hot, sunny days when nitrogen oxides (NOx) and volatile organic compounds (VOCs) undergo a photochemical reaction
d. b. and c.
e. all of the above

1. **Which of the following would reduce ozone pollution?**

a. Carpool or use public transportation
b. Limit your speed to 55 m.p.h. on highways
c. Have your car tuned and inspected regularly
d. Use water-based paints and solvents, instead of volatile paints and solvents
e. All of the above

1. **Cars**

a. emit H20 which causes ozone depletion
b. emit 03
c. emit C02 which reacts with chlorofluorocarbons in the presence of sunlight to produce ozone
d. emit NOx and VOCs, which react in the presence of sunlight to produce ozone pollution

1. **Which of the following is true?**

a. Cars are solely responsible for ozone pollution
b. Only chemical industries are responsible for smog
c. Emissions from cars and industries contribute to ozone pollution

1. **In order to protect yourself when ozone pollution levels are high, you should**

a. minimize your outdoor activities
b. stay indoors if you have respiratory problems
c. jog in the afternoons
d. a. and b.

1. **Louisiana**

a. exceeds the Environmental Protection Agency's clean air standards for ozone and lead
b. exceeds EPA's clean air standards for ozone only
c. Is in attainment for all of EPAs clean air standards

1. **We are concerned that ozone levels**

a. are too high at ground level
b. are too high in the stratosphere
c. are too low in the stratosphere
d. a. and c.

1. **During ozone season, people can help reduce ozone by**

a. mowing the lawn after 6 p.m.
b. carpooling or by reducing use of cars/vehicles on days when high ozone levels are predicted
c. limiting the use of oil-based paints and volatile solvents
d. all of the above

1. **Due to joint efforts by industrial groups, DEQ, and the public, the average number of "bad-ozone" days in the 1990's is**
2. less than in the 1980's and 1990's
b. more than in the 1980's and 1990's
c. about the same as in the 1980's and 1990's

Quiz Answers

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| --- | --- | --- |
| **1. b.** | 5. e. | 9. c |
| 2. e. | 6. d. | 10. d. |
| 3. c. | 7. c. | 11. d. |
| 4. d. | 8. d. | 12. a. |