

*Electric and Hybrid Electric Vehicles, 1st Edition*

**Quiz 3A**

NAME \_\_\_\_\_

1. What is ozone? 1. \_\_\_\_\_
  - A) O<sub>3</sub>
  - B) CO<sub>2</sub>
  - C) NO<sub>x</sub>
  - D) H<sub>2</sub>O
  
2. Technician A says that nitrous oxide (N<sub>2</sub>O) is considered a greenhouse gas. Technician B says that methane (CH<sub>4</sub>) is considered a greenhouse gas. Which technician is correct? 2. \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
  
3. Which of these is NOT an ozone depleting substance? 3. \_\_\_\_\_
  - A) Chlorofluorocarbon
  - B) Halon
  - C) Nitrogen
  - D) Hydrochlorofluorocarbon
  
4. Which UV radiation is best absorbed by the earth's ozone layer? 4. \_\_\_\_\_
  - A) UVC
  - B) UVA
  - C) UVB
  - D) None of these is correct
  
5. Technician A says that muriatic acid is a major component in acid rain. Technician B says that sulfuric acid is a major component in acid rain. Which technician is correct? 5. \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
  
6. Which of the following is NOT considered an ozone-depleting chemical? 6. \_\_\_\_\_
  - A) Chlorofluorocarbons
  - B) Hydrochlorofluorocarbons
  - C) Halons
  - D) All of these are considered ozone-depleting chemicals
  
7. Why is sunburn more likely to occur at high altitudes as compared to sea level? 7. \_\_\_\_\_
  - A) There is less ozone above to block the UV rays.
  - B) You are closer to the sun.
  - C) There is less oxygen.
  - D) It is colder at high altitudes and sunburn is therefore less likely.

8. Which statement is true about hydrocarbons? 8. \_\_\_\_\_
- A) Unburned fuel can be classified as hydrocarbons
  - B) They contribute to the formation of smog
  - C) Both a and b
  - D) Neither a nor b
9. Which of the following ultraviolet radiation types is the most harmful to living organisms? 9. \_\_\_\_\_
- A) UVA
  - B) UVB
  - C) UVC
  - D) None of these
10. To reduce your carbon footprint, what action(s) can be performed? 10. \_\_\_\_\_
- A) Drive an electric powered vehicle instead of a gasoline powered vehicle.
  - B) Drive fewer miles.
  - C) Insulate homes.
  - D) All of the above

## Answer Key

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