

Electric and Hybrid Electric Vehicles, 1st Edition

Quiz 3B

NAME _____

1. Which UV radiation is best absorbed by the earth's ozone layer? 1. _____
 - A) UVC
 - B) UVA
 - C) UVB
 - D) None of these is correct

2. Which statement is true about hydrocarbons? 2. _____
 - 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

3. Technician A says that burning of fossil fuels has increased the greenhouse gas CO₂ in the atmosphere. Technician B says that increased lumber operations have removed trees, increasing the levels of CO₂ in the atmosphere. Which technician is correct? 3. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

4. To reduce your carbon footprint, what action(s) can be performed? 4. _____
 - A) Drive an electric powered vehicle instead of a gasoline powered vehicle.
 - B) Drive fewer miles.
 - C) Insulate homes.
 - D) All of the above

5. Technician A says that the process by which plants release oxygen is called photosynthesis. Technician B says that the process by which plants release oxygen is called organic reaction. 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. What is ozone? 6. _____
 - A) O₃
 - B) CO₂
 - C) NO_x
 - D) H₂O

7. Which of these is NOT an ozone depleting substance? 7. _____
- A) Chlorofluorocarbon
 - B) Halon
 - C) Nitrogen
 - D) Hydrochlorofluorocarbon
8. Which of the following results in smog when exposed to sunlight? 8. _____
- A) Unburned hydrocarbon (HC)
 - B) Oxides of Nitrogen (NO_x)
 - C) Carbon Dioxide (CO_2)
 - D) Both a and b
9. 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? 9. _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
10. Which of the following is NOT considered an ozone-depleting chemical? 10. _____
- A) Chlorofluorocarbons
 - B) Hydrochlorofluorocarbons
 - C) Halons
 - D) All of these are considered ozone-depleting chemicals

Answer Key

Testname: EV1_3B

1. A
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5. A
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