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| 1. The most common injuries in automotive shops involve backs and eyes.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 2. Solvents are used to make liquids into solid waste for disposal.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 3. Arc welding produces ultraviolet rays that can be harmful to eyes.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 4. Vehicle exhaust gases contain carbon monoxide which is harmful to humans.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 5. If greasesweep is used to absorb an oil spill, dispose of it in a regular trash can.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | | *POINTS:* | 1 | | *QUESTION TYPE:* | True / False | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 6. Two technicians are discussing solvents. Technician A says chlorinated solvents are not flammable. Technician B says that chlorinated solvents when exposed to a flame can produce phosgene gas. Who is correct?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Technician A | b. | Technician B | |  | c. | Both technicians | d. | Neither technician |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 7. Two technicians are discussing government regulations. Technician A says OSHA oversees the transportation of hazardous materials. Technician B says the EPA enforces workplace safety laws. Which technician is correct?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Technician A | b. | Technician B | |  | c. | Both technicians | d. | Neither technician |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 8. Corrosive wastes have a pH level lower than \_\_\_\_\_ or higher than \_\_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 1, 10.6 | b. | 2, 13.5 | |  | c. | 2, 12.5 | d. | 4, 10 |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 9. Hazardous materials can enter the bloodstream by \_\_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | breathing | b. | eating | |  | c. | skin penetration | d. | all of the above |  |  |  | | --- | --- | | *ANSWER:* | d | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 10. When a battery is being charged, it gives off \_\_\_\_\_ gases   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | hydrogen | b. | sulfuric | |  | c. | oxygenated | d. | nitrous oxides |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 11. Two technicians are discussing jack safety. Technician A says to always use safety stands when using a floor jack. Technician B says the center of gravity of a vehicle is not important when raising a vehicle with a unibody. Which technician is correct?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Technician A | b. | Technician B | |  | c. | Both technicians | d. | Neither technician |  |  |  | | --- | --- | | *ANSWER:* | a | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 12. Listed on the MSDS, the \_\_\_\_ is the maximum amount of exposure during a 15-minute period in one 8-hour workday.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | permissible exposure limit (PEL) | b. | threshold limit value (TLV) | |  | c. | short-term exposure limits (STEL) | d. | upper explosive limit (UEL) |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 13. Personal safety is being discussed. Technician A says to always wear eye protection when using a blowgun. Technician B says to always wear face protection when using the grinder. Who is correct?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Technician A | b. | Technician B | |  | c. | Both technicians | d. | Neither technician |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 14. Technician A says to always squeeze the top radiator hose before opening a radiator cap. Technician B says to always remove keys from the ignition before making a fan belt adjustment. Which technician is correct?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Technician A | b. | Technician B | |  | c. | Both technicians | d. | Neither technician |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 15. An electrical fire is classified as Class \_\_\_\_\_.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | A | b. | B | |  | c. | C | d. | D |  |  |  | | --- | --- | | *ANSWER:* | c | | *POINTS:* | 1 | | *QUESTION TYPE:* | Multiple Choice | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 16. Battery acid, which is an electrolyte, is a combination of \_\_\_\_\_.   |  |  | | --- | --- | | *ANSWER:* | sulfuric acid and water  water and sulfuric acid  ​sulfuric acid & water water & sulfuric acid | | *POINTS:* | 1 | | *QUESTION TYPE:* | Completion | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 17. List the four classes of fires and the proper fire extinguisher for each type.   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | *ANSWER:* | The four kinds of fires and associated types of fire extinguishers are:   |  |  |  | | --- | --- | --- | | 1. | Class A | Water, foam, or multipurpose dry chemical | | 2. | Class B | Foam, carbon dioxide, halogenated agent, standard dry chemical, Purple K dry chemical, or multipurpose dry chemical | | 3. | Class C | Carbon dioxide, halogenated agent, standard dry chemical, Purple K dry chemical, or multipurpose dry chemical | | 4. | Class D | Dry powder extinguishers and agents only |   ​ | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 18. According to the Hazard Communication Program, what information must be included on the label of a hazardous material?   |  |  | | --- | --- | | *ANSWER:* | According to the Hazard Communication Program, the label of a hazardous material must include:  ​   * product manufacturer’s name and address * chemical name and trade name * safety information about the chemical   ​ | | *POINTS:* | 1 | | *QUESTION TYPE:* | Subjective Short Answer | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 19. Briefly describe what what is meant by the term "systemic" exposure.   |  |  | | --- | --- | | *ANSWER:* | Systemic exposure can occur when a chemical enters the body, and the chemical then travels to other organs, such as the liver, kidneys, muscles, heart, or brain. | | *POINTS:* | 1 | | *QUESTION TYPE:* | Objective Short Answer | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |

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| 20. What health hazards are associated with these chemicals found in brake cleaners?  ​   * Perchlorethylene (perc) * Xylene * Toluene * Hexane   ​   |  |  | | --- | --- | | *ANSWER:* | Health hazards are associated with chemicals in brake cleaners as follows:  ​   * Perhloroethylene (perc) is a carcinogen. * Xylene causes birth defects. * Toluene causes central nervous system damage. * Hexane is a neurotoxin.   ​ | | *POINTS:* | 1 | | *QUESTION TYPE:* | Objective Short Answer | | *HAS VARIABLES:* | False | | *DATE CREATED:* | 1/30/2018 3:20 PM | | *DATE MODIFIED:* | 1/30/2018 3:20 PM | |