



EXAM B

FIRE SAFETY IN AUTO REPAIR SHOPS FOR WORKERS - FIRE HAZARD IDENTIFICATION AND MITIGATION TRAINING

Choose the best answer for each multiple-choice question. There is only one best answer for each question.

Name: _____

Date: _____

1. Which of the following most closely fits the definition of a VOC?
 - a. Chemicals with a strong odor
 - b. Chemicals that evaporate easily
 - c. Solvent degreasers
 - d. Flammable chemicals
2. Which of the following typically does NOT contain VOCs?
 - a. Gasoline
 - b. Brake cleaners
 - c. Motor oil
 - d. Solvent degreasers
3. Why is a messy shop a fire hazard?
 - a. A messy shop may contain an excess of combustibles such as rags, and paper
 - b. Cleaning up spills is more difficult in a messy shop
 - c. a and b
 - d. A messy shop causes electrical hazards
4. Why is brake cleaning a challenge?
 - a. Traditional chlorinated products do not work well
 - b. Traditional chlorinated products are toxic and cause air pollution
 - c. Products without chlorinated compounds are flammable
 - d. b and c
5. Select the following items which are part of a spill prevention strategy:
 - a. Store engines on wooden pallets
 - b. Use drip pans under vehicles to collect oil
 - c. Store materials near point of use
 - d. b and c
6. Which of the following are true about water-based degreasers?
 - a. Water-based degreasers emit less VOCs
 - b. Water-based degreasers are less flammable
 - c. Water-based degreasers are not effective
 - d. a and b

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7. Which of the following is NOT part of a spill kit?
 - a. Personal protective equipment
 - b. Forms for making a report
 - c. Adsorbent pads
 - d. Oil dry or kitty litter

8. Which of the following are potential ignition sources in a shop?
 - a. Damaged extension cord
 - b. Stacks of paper
 - c. Car engine
 - d. a and c

9. Why is fire safety important in an auto repair shop?
 - a. Many auto repair products are flammable
 - b. Protect property
 - c. Auto repair shops contain potential ignition sources
 - d. All of the above

10. Which item is NOT included in a shop fire prevention plan?
 - a. Safety data sheets
 - b. Emergency action plan
 - c. Communication and training
 - d. Audit of potential ignition sources

11. Which item is NOT part of a fire hazard mitigation plan?
 - a. Prevent spills
 - b. Eliminate ignition sources
 - c. Restrict smoking to one area of the shop
 - d. Handle wastes properly

12. Which of the following is NOT true of used shop rags?
 - a. Some local regulations allow used shop rags to be laundered and reused.
 - b. Store used shop rags in a tightly sealed metal container.
 - c. Shop rags may spontaneously combust
 - d. Allow the solvents in a used shop rag to evaporate before storing

13. How many types of parts washers are used in auto shops?
 - a. zero
 - b. 1
 - c. 2
 - d. 3

14. Which of the following is NOT true of parts washers?
- Parts washers are less effective than traditional cleaning processes
 - Parts washers are available for many applications
 - Water-based parts washers use detergents to clean engine parts
 - Bioremediation parts washers use bacteria to break down oil and grease
15. What was the cause of the 2019 Long Island, New York fire?
- Spontaneous combustion of used shop rags
 - Smoking in the shop
 - Spark from a shop vacuum ignited solvent vapors
 - Spark from a car engine ignited oil on the shop floor
16. Which of the following are true for flammable storage cabinets?
- Flammable storage cabinets are available in many sizes
 - Highly flammable products require more shelf space than less flammable products
 - a, b and d
 - Rooms containing flammable storage cabinets should be well ventilated
17. When pouring flammable liquids from one container to another, why is it necessary for both containers to be grounded?
- Prevent liquids from splashing
 - Spark from static electricity could cause a fire
 - Minimize fumes from the liquid
 - The grounding wires hold the containers in place
18. The flashpoint of a chemical is:
- The rate at which the chemical will burn
 - The temperature when the chemical will boil
 - The lowest temperature at which its vapor can ignite
19. Which of the following are steps for cleaning up a spill?
- Assess the risk
 - Confine the spill
 - Pour the spilled liquid back into its original container
 - a and b
20. Which of the following are NOT proper procedures for handling waste motor oil?
- Dispose of used waste liquids with the regular shop garbage
 - Waste liquids are removed by licensed haulers
 - Waste liquids are stored in separate containers
 - Store barrels on top of a pallet



EXAM B - ANSWER KEY

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