

Name _____ Class _____ Date _____
: _____ : _____ e: _____

Chapter 02: Shop Safety

1. A safety program is a written shop policy designed to protect the health and welfare of all employees.

- a. True
- b. False

ANSWER: True
POINTS: 1
REFERENCES: Page 26
QUESTION TYPE: True / False
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2. Manufacturer's instructions are the detailed procedures for products provided by the manufacturer.

- a. True
- b. False

ANSWER: True
POINTS: 1
REFERENCES: Page 27
QUESTION TYPE: True / False
HAS VARIABLES: False
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3. Asphyxiation results when electricity passes through a person's body.

- a. True
- b. False

ANSWER: False
POINTS: 1
REFERENCES: Page 28
QUESTION TYPE: True / False
HAS VARIABLES: False
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4. Explosions are fast-moving air pressure waves that result from extremely rapid burning.

- a. True
- b. False

ANSWER: True
POINTS: 1
REFERENCES: Page 28
QUESTION TYPE: True / False
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5. A paper filter that fits over your nose and mouth to block small airborne particles is called a mist respirator.

- a. True
- b. False

ANSWER: False

POINTS: 1

REFERENCES: Page 29

QUESTION TYPE: True / False

HAS VARIABLES: False

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6. To check for air leaks, a respirator fit test should be done prior to using the respirator.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: Page 31

QUESTION TYPE: True / False

HAS VARIABLES: False

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7. It is best to wear safety shoes that have metal toe inserts and nonslip soles.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: Page 36

QUESTION TYPE: True / False

HAS VARIABLES: False

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8. To lower a floor jack, slowly turn the pressure relief valve counterclockwise.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: Page 43

QUESTION TYPE: True / False

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9. Magnesium will burn with a brilliant white light if heated above 100°F.

- a. True
- b. False

ANSWER: False
POINTS: 1
REFERENCES: Page 45
QUESTION TYPE: True / False
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10. Ignitability means the material or waste fails the ignitability test if it is a liquid with a flash point above 140°F or a solid that can spontaneously ignite.

- a. True
- b. False

ANSWER: False
POINTS: 1
REFERENCES: Page 50
QUESTION TYPE: True / False
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ASE-Style Multiple Choice

11. ____ are often needed in the collision repair facility to keep airborne materials from being inhaled into your nose, throat, and lungs.

- a. Goggles
- b. Respirators
- c. Impervious gloves
- d. Jack stands

ANSWER: b
POINTS: 1
REFERENCES: Page 29
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
PREFACE NAME: ASE-Style Multiple Choice
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12. A(n) ____ protects against vapors and spray mists of one-part enamel (no hardener added), lacquers, and other

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nonisocyanate materials.

- a. welding respirator
- b. floor jack
- c. air supplied respirator
- d. cartridge filter respirator

ANSWER: d
POINTS: 1
REFERENCES: Page 29
QUESTION TYPE: Multiple Choice
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13. A(n) ____ has special cartridge inserts designed to trap welding fumes.

- a. welding respirator
- b. floor jack
- c. air supplied respirator
- d. cartridge filter respirator

ANSWER: a
POINTS: 1
REFERENCES: Page 30
QUESTION TYPE: Multiple Choice
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14. While having a discussion, Technician A says that paint thinner or reducer can be used as a hand cleaner. Technician B says that paint thinner or reducer should never be used as a hand cleaner. Who is correct?

- a. A only
- b. B only
- c. Both A and B
- d. Neither A nor B

ANSWER: b
POINTS: 1
REFERENCES: Page 35
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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15. ____ include(s) those procedures that protect people and the Earth's resources (land, water, and air) from toxic chemicals.

- a. Environmental safety
- b. Occupational safety
- c. Right-to-Know Laws

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d. Manufacturer's safety data sheets

ANSWER: a
POINTS: 1
REFERENCES: Page 37
QUESTION TYPE: Multiple Choice
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16. _____ contains cancer-causing agents.

- a. Vapor
- b. Spray mist
- c. Asbestos dust
- d. Carbon monoxide

ANSWER: c
POINTS: 1
REFERENCES: Page 38
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
PREFACE NAME: ASE-Style Multiple Choice
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17. Which of the following statements is LEAST-Likely true?

- a. Use a dustless sanding system to minimize exposure to toxic airborne dust particles created by sanding automotive paints and primers.
- b. Space heaters used in some shops can be a major source of CO.
- c. Automotive-type paints can safely be used on household items.
- d. Asbestos was used in the manufacture of older brake and clutch assemblies.

ANSWER: c
POINTS: 1
REFERENCES: Page 38
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
PREFACE NAME: ASE-Style Multiple Choice
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18. Which of the following statements is LEAST-Likely true?

- a. Never open several toolbox drawers at once.
- b. Keep chisels and punches properly ground and shaped.
- c. Do not carry screwdrivers, punches, or other sharp hand tools in your pockets.
- d. Always push, not pull, on a wrench.

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ANSWER: d
POINTS: 1
REFERENCES: Page 41
QUESTION TYPE: Multiple Choice
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19. _____ are the exact locations for positioning the lift pads of a lift or a floor jack to safely raise the vehicle off the ground.

- a. Welding points
- b. Vehicle lift points
- c. Vehicle stand points
- d. Pressure points

ANSWER: b
POINTS: 1
REFERENCES: Page 43
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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20. While having a discussion, Technician A says that you should not use compressed air to clean clothes. Technician B says that compressed air can force an air bubble into your bloodstream through a cut which could cause instant death. Who is correct?

- a. A only
- b. B only
- c. Both A and B
- d. Neither A nor B

ANSWER: c
POINTS: 1
REFERENCES: Page 42
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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21. Technicians often use a _____ to raise the front, sides, or rear of a vehicle while working.

- a. jack stand
- b. floor jack
- c. compressor
- d. floor shield

ANSWER: b
POINTS: 1
REFERENCES: Page 43

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QUESTION TYPE: Multiple Choice
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22. _____ result(s) when excess current causes wiring to overheat, melt, and burn.
- a. Reactivity
 - b. Electrical fires
 - c. Toxicity
 - d. Spontaneous combustion

ANSWER: b
POINTS: 1
REFERENCES: Page 45
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
PREFACE NAME: ASE-Style Multiple Choice
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23. When chemically soiled rags or paper towels are left lying in a pile in the shop, they are prime candidates for _____.
- a. asphyxiation
 - b. electrocution
 - c. electrical fires
 - d. spontaneous combustion

ANSWER: d
POINTS: 1
REFERENCES: Page 45
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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24. All of the following represent the type of extinguisher that should be used in a class A fire EXCEPT:
- a. purple K dry chemical
 - b. water
 - c. foam
 - d. multipurpose dry chemical

ANSWER: a
POINTS: 1
REFERENCES: Page 47
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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25. All of the following represent the type of extinguisher used in a class C fire EXCEPT:

- a. carbon dioxide
- b. foam
- c. standard dry chemical
- d. multipurpose dry chemical

ANSWER:

b

POINTS:

1

REFERENCES:

Page 47

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

PREFACE NAME:

ASE-Style Multiple Choice

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26. _____ contain information on hazardous ingredients and protective measures that the technician should use.

- a. Operating instructions
- b. Right-to-Know Laws
- c. Manufacturers instructions
- d. Safety data sheets

ANSWER:

d

POINTS:

1

REFERENCES:

Page 47

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

PREFACE NAME:

ASE-Style Multiple Choice

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27. The term MOST-Likely used to imply that a solution is aqueous with a pH of 2 and below, or 12.5 and above is:

- a. ignitability
- b. corrosiveness
- c. reactivity
- d. toxicity

ANSWER:

b

POINTS:

1

REFERENCES:

Page 50

QUESTION TYPE:

Multiple Choice

HAS VARIABLES:

False

PREFACE NAME:

ASE-Style Multiple Choice

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28. _____, as determined by the Environmental Protection Agency (EPA), is a solid or liquid that can harm people and the environment.

- a. Asbestos dust
- b. Vapor
- c. Hazardous waste
- d. Spray mist

ANSWER:

c

POINTS:

1

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REFERENCES: Page 50
QUESTION TYPE: Multiple Choice
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29. The term MOST-Likely used to refer to materials that leach one or more heavy metals in concentrations greater than 100 times primary drinking water standard concentrations is:

- a. ignitability
- b. corrosiveness
- c. reactivity
- d. toxicity

ANSWER: d
POINTS: 1

REFERENCES: Page 50
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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30. _____ specify essential information and stipulations for safely working with hazardous materials.

- a. Right-to-Know Laws
- b. SDS
- c. Manufacturer's instructions
- d. Operating instructions

ANSWER: a
POINTS: 1

REFERENCES: Page 50
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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31. A(n) _____ includes many of the medical items needed to treat minor shop injuries.

ANSWER: first-aid kit
first aid kit

POINTS: 1
REFERENCES: Page 27
QUESTION TYPE: Completion
HAS VARIABLES: False
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32. _____ refers to anything that prevents normal breathing.

ANSWER: Asphyxiation

POINTS: 1

REFERENCES: Page 28

QUESTION TYPE: Completion

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

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33. _____ should be worn when handling fluids that could burn your eyes.

ANSWER: Goggles

POINTS: 1

REFERENCES: Page 32

QUESTION TYPE: Completion

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

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34. _____ should be used when working with any chemical that can be harmful if exposed to your skin, such as solvents or two-part primers and topcoats.

ANSWER: Impervious gloves

POINTS: 1

REFERENCES: Page 35

QUESTION TYPE: Completion

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

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35. _____ is an invisible, odorless, but deadly gas!

ANSWER: Carbon monoxide
CO

POINTS: 1

REFERENCES: Page 38

QUESTION TYPE: Completion

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

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36. List four possible airborne materials in the body shop that can cause health problems, particularly with repeated

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exposure.

ANSWER:

These airborne contaminants include:

- Abrasive dusts from sanding and grinding
- Welding flux and soldering fumes
- Vapors from caustic solutions, primers, paints, and solvents
- Spray mists from undercoats and painting materials

POINTS:

1

REFERENCES:

Page 28

QUESTION TYPE:

Subjective Short Answer

HAS VARIABLES:

False

STUDENT ENTRY MODE:

Basic

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37. How would you perform a positive pressure test?

ANSWER:

To perform a positive pressure test, cover up the exhalation valve and exhale or breathe out. A proper fit is evident if the face piece billows out without air escaping from the mask when breathing normally.

POINTS:

1

REFERENCES:

Page 31

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY Basic

MODE:

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38. How would you clean up an oil spill on the shop floor?

ANSWER:

To clean up an oil spill on the shop floor, use a commercial oil absorbent. Spread the absorbent on the spill. Rub it with your foot in a circular motion. Then use a dust pan and broom to pick up the absorbent right away, especially if the spill was a flammable liquid.

POINTS:

1

REFERENCES:

Page 51-52

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY Basic

MODE:

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39. What precautions should you take if blood or tissue is found in an unrepaired vehicle?

ANSWER:

If blood or tissue is found in an unrepaired vehicle, put on coveralls, plastic or rubber gloves, and a respirator before working.

POINTS:

1

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REFERENCES: Page 51

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

ODE:

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40. Briefly discuss the danger caused by air bags.

ANSWER: Air bags can be very dangerous because they inflate with tremendous force when deployed. Air bags can reach speeds of over 100 miles per hour during deployment. Air bags can break arms, hands, fingers, or even cause death if someone's head is near the bag during accidental deployment.

POINTS: 1

REFERENCES: Page 52

QUESTION TYPE: Subjective Short Answer

HAS VARIABLES: False

STUDENT ENTRY MODE: Basic

MODE:

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