

Name: _____ Class: _____ Date: _____

Chapter 3 - Working Safely in the Shop

1. Which statement accurately describes safety glasses?
 - a. They do not need to be worn all the time.
 - b. They do not need to fit and be comfortable.
 - c. Some service procedures require additional eye protection to be worn with safety glasses.
 - d. Most prescription lenses offer adequate protection.

ANSWER: c

2. What can protect your ears while working in a noisy environment?
 - a. a cap
 - b. filtration mask
 - c. earplugs
 - d. safety glasses

ANSWER: c

3. During which activity should you wear nitrile protective gloves?
 - a. washing parts
 - b. welding
 - c. grinding
 - d. handling hot components

ANSWER: a

4. Which of the following is a good practice for hand-tool use?
 - a. Store sharp tools in a pocket.
 - b. Use the correct tool for the job.
 - c. Use dull tools.
 - d. Keep tools well greased.

ANSWER: b

5. Which statement best describes automotive service safety?
 - a. The jack should remain under the vehicle with the safety stands.
 - b. Many injuries result from careless hand-tool use.
 - c. Blood borne pathogens are not a concern for the automotive technician.
 - d. Compressed air may be used to remove dust from clothes.

ANSWER: b

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6. Which of the following is a safe use of compressed air?

- a. cleaning a work bench
- b. inflating tires
- c. cleaning brake shoes
- d. blowing dust from your coveralls

ANSWER: b

7. Which method of cleaning parts may leave a residue that must be removed by further cleaning?

- a. cold chemical
- b. hot chemical
- c. thermal
- d. abrasive

ANSWER: c

8. Which statement is an accurate characteristic of gasoline?

- a. It is not very volatile.
- b. It should be extinguished with water if it catches fire.
- c. It is dangerous, especially in vapour form.
- d. It is highly flammable only when heated.

ANSWER: c

9. Which of the following extinguishing agents should **NOT** be used on a flammable liquid that is on fire?

- a. dry chemical
- b. carbon dioxide
- c. foam
- d. water

ANSWER: d

10. Which type of fire extinguisher should be used for an electrical fire?

- a. water
- b. dry powder
- c. multipurpose dry chemical
- d. foam

ANSWER: c

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11. How should gasoline be stored?

- a. in an approved safety container in a designated storage cabinet
- b. in a sealed container under a workbench
- c. in an approved safety container under a workbench
- d. in a sealed container in a metal storage cabinet

ANSWER: a

12. When plastic material is burning, a fire extinguisher for which class of fire should be used?

- a. Class A
- b. Class B
- c. Class C
- d. Class D

ANSWER: a

13. Which type of hazard is defined as an undesirable substance that may result from a service operation?

- a. physical
- b. hazardous
- c. ergonomic
- d. chemical

ANSWER: b

14. Which classification applies to a high concentration of undesirable vapours, gases, or solids in the form of dust?

- a. physical hazard
- b. hazardous waste
- c. chemical hazard
- d. ergonomic hazard

ANSWER: c

15. Which of the following is governed by WHMIS legislation?

- a. hiring practices
- b. automobile exhaust emissions
- c. hazards associated with chemicals used in the workplace
- d. employee benefits

ANSWER: c

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16. What information appears on an MSDS?
- a. customer information
 - b. safe handling procedures for a substance
 - c. diagnostic information
 - d. a list of expected job duties

ANSWER: b

17. Which of the following is hazardous waste handling equipment?
- a. material safety data sheet (MSDS)
 - b. oil filter crusher
 - c. fire extinguisher
 - d. WHMIS legislation

ANSWER: b

18. What shop waste requires approved waste disposal or collection?
- a. used air filters
 - b. broken glass
 - c. brake shoes
 - d. used engine oil

ANSWER: d

19. How long should an oil filter be allowed to drain before disposal?
- a. 6 hours
 - b. 12 hours
 - c. 18 hours
 - d. 24 hours

ANSWER: d

20. What type of filter should be in your mask when you are working with brake shoes or clutch discs?
- a. OHSA
 - b. CSA
 - c. HEPA
 - d. CEPA

ANSWER: c

21. Protective gloves should never be worn in the shop.
- a. True
 - b. False

ANSWER: False

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22. Batteries are potentially explosive.

- a. True
- b. False

ANSWER: True

23. Regular prescription glasses offer sufficient eye protection in the shop environment.

- a. True
- b. False

ANSWER: False

24. Bearings should never be spun with compressed air.

- a. True
- b. False

ANSWER: True

25. Compressed air can be used to clean the floor or work bench.

- a. True
- b. False

ANSWER: False

26. Lift points for securely balancing a vehicle on a hoist are the same on every vehicle.

- a. True
- b. False

ANSWER: False

27. Even though only a hydraulic jack is supporting the vehicle, you can move under it.

- a. True
- b. False

ANSWER: False

28. Dirty solvent is not considered a hazardous material.

- a. True
- b. False

ANSWER: False

29. Ethanol should be handled and stored in the same way as gasoline.

- a. True
- b. False

ANSWER: True

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30. Carbon monoxide is an odourless but deadly gas.

- a. True
- b. False

ANSWER: True

31. When machining metal parts, collect the _____.

ANSWER: metal filing

32. Something that catches fire and burns easily is called a(n) _____ substance.

ANSWER: flammable

33. A volatile liquid _____ easily.

ANSWER: vaporizes

34. The area where volatile solvents and chemicals are used must be properly _____.

ANSWER: ventilated

35. Oily rags should be stored in an approved _____ container.

ANSWER: metal

36. A multipurpose dry _____ fire extinguisher will put out ordinary combustibles, flammable liquids, and electrical fires.

ANSWER: chemical

37. _____ hazards are caused by high concentrations of vapours, gasses, or solids in the form of dust.

ANSWER: Chemical

38. _____ wastes are those substances that need to be disposed of in a prescribed safe manner.

ANSWER: Hazardous

39. _____ hazards include excessive noise, vibration, pressures, and temperatures.

ANSWER: Physical

40. _____ hazards are conditions that impede normal and/or proper body position and motion.

ANSWER: Ergonomic

41. Who regulates health and safety in most Canadian workplaces?

ANSWER: Most Canadian workers are covered by provincial or territorial occupational health and safety legislation. Workplace/workers' compensation boards; workplace health and safety commissions; departments or ministries of labour; or ministries of skills, development, and labour administer the various legislation.

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42. Who is responsible for preparing the information on an MSDS?

ANSWER: The manufacturer of the chemical product is responsible.

43. Why should electric cooling fans be disconnected when working around the radiator?

ANSWER: They may come on, even without the ignition switch on.

44. What steps should you follow to prevent an injury when lifting heavy objects?

ANSWER: Maintain good balance, keep your back straight, apply a firm grip, use your leg muscles rather than your back muscles, avoid twisting your body, do not bend forward, and set the item onto blocks to protect your fingers.

45. What is an MSDS?

ANSWER: It is a material safety data sheet that describes hazardous materials/products and specifies safe use and handling procedures for them.

46. Describe what to do with a used oil filter.

ANSWER: It should be drained for 24 hours, crushed, and recycled.

47. Where can a shop's complete list of hazardous materials be found?

ANSWER: On Material Safety Data Sheets that are posted in a conspicuous place and available to all employees.

48. Why is water ineffective for putting out a gasoline fire?

ANSWER: Water will not extinguish the flame, but will spread it.

49. When should eye protection be worn?

ANSWER: It should be worn whenever one is in the shop.

50. What types of fires can be extinguished with a multipurpose dry chemical extinguisher?

ANSWER: A multipurpose dry chemical fire extinguisher will put out ordinary combustibles, flammable liquids, and electrical fires.