**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_**

**General Shop Safety Exam**

**True/False**

1. T F Have power equipment running while unattended.
2. T F Pay attention to what you are doing at all times.
3. T F Running in the laboratory is necessary to save time.
4. T F Power equipment should be turned off immediately after use.
5. T F Carelessness or horseplay will not be allowed.
6. T F No student should leave the laboratory without teacher permission.
7. T F Approved eye protection must be worn at all times when working in the AGET Shop.
8. T F Exits must be kept clear at all times.
9. T F The choice of the tool for the job is not a significant consideration in safe shop

 operations.

1. T F Students are not allowed to eat, drink, or chew gum in the shop or classroom.
2. T F Use tools only for their specified purpose
3. T F When using a power tool, always keep the cord out of the way.

**Fill in the blank**

1. You are not permitted to work on any equipment or machinery at any time without the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ present.
2. The shop floor must be kept free of oil because of the danger of fire and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Accidents, no matter how slight, must be reported immediately to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Know the \_\_\_\_\_\_\_\_\_\_\_\_\_ and use of all fire equipment in the laboratory.
5. Students will be allowed to use only those tools or machines in which they have passed a written test and become \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Safety glasses or goggles must be worn \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. Students should notify the instructor in case of:
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. List the clothing requirements for the mechanics laboratory.

a.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ law requires that a student wear safety glasses while in the mechanics laboratory.
2. Safety glasses should be worn \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the mechanics laboratory.

**Multiple Choice**

1. What injury is the leading single cause of lost work time?
2. broken legs
3. back problems
4. cuts
5. bruises
6. The student should notify the instructor immediately in case of \_\_\_\_\_\_\_\_\_.
7. accident
8. injury
9. defective equipment or tools
10. all of the above
11. Which of the following is not allowed in the mechanics laboratory?
12. Working and cleaning
13. Carelessness and horseplay
14. Thinking and doing
15. All of the above
16. Students should never \_\_\_\_\_\_\_\_ while working in the mechanics laboratory.
17. listen
18. shout
19. talk
20. hear
21. Approved safety glasses or goggles must be worn \_\_\_\_\_\_\_\_\_.
22. only in hazardous areas
23. at all times unless other special eye and face protection is required
24. in the classroom and shop
25. none of the above
26. At the end of class, the laboratory should be \_\_\_\_\_\_\_\_\_\_\_.
27. left as is at the end of class
28. cleaned and all tools returned to their proper place
29. checked by the shop foreman
30. checked by the instructor
31. Approved safety glasses can be identified by \_\_\_\_\_\_\_\_\_\_\_.
32. the color of the lens
33. the thickness of the lens
34. the Z 87.1 logo and manufacturer’s emblem
35. the description given on the box
36. MSDS stands for:
37. Marginal Safety for Dangerous Substances.
38. Material Safety Data Sheet.
39. Material Safety Disability Sheet.
40. Material Safety Data Shear
41. Which of the following safety color is NOT matched to the correct meaning?
42. RED = danger
43. YELLOW = caution
44. ORANGE = safety
45. Green = Information
46. If tools and/or equipment become defective, one should \_\_\_\_\_\_\_\_\_\_.
47. fix them
48. report them to the instructor
49. put an “out of order” sign on them
50. only b and c
51. The “orange” color coding system refers to \_\_\_\_\_\_\_\_\_\_.
52. danger
53. caution
54. warning
55. disaster
56. If a visitor comes into the mechanics laboratory, one should \_\_\_\_\_\_\_\_\_\_\_.
57. make him/her leave because of unsafe conditions
58. invite him/her into the laboratory and demonstrate what you are doing
59. have them take the safety test
60. issue them a pair of safety glasses
61. The Z-87.1 logo and manufacturing emblem on shop safety glasses tells the users

specifically that the glasses are \_\_\_\_\_\_\_\_\_\_\_.

1. industrial quality
2. safe
3. made in the USA
4. meeting OSHA standards
5. What is the first line of defense for personal safety?
	1. Ears
	2. Eyes
	3. Mouth
	4. Toes
6. Which safety color represents “DANGER”
7. Blue
8. Gray
9. Orange
10. Red
11. What are the three elements in the fire triangle?
12. Fuel, oxygen, and paper
13. Fuel, heat, and oxygen
14. Fuel, heat, and nitrogen
15. Fuel, heat, and Carbon dioxide
16. What major protection areas should be stressed in personal shop safety?
17. Protective clothing
18. Eye protection
19. Ear protection
20. All the above
21. What is one way to prevent fires in the shop?
22. Don’t place materials next to things that burn easily
23. Eliminate one of the fire triangle elements
24. Store flammable materials in an approved container
25. All the above
26. What will eliminate you from working in the shop
27. Hurry through your project
28. Pushing
29. Running
30. All the above
31. What does the color red, yellow and green represent?
32. Danger, caution, and safety
33. Danger, caution, and information
34. Danger, caution, and floor color
35. Caution, caution, and safety
36. Which type of burn is the least severe? It results in skin that is reddish, tender and should be treated by placing the burn area under cold water.
37. Second degree
38. Third degree
39. First degree
40. None of the above
41. What should you be aware of when working in the shop?
42. Nothing
43. Yourself
44. Your friend
45. Your surrounding
46. Which class of fires is electrical?
47. Class D
48. Class C
49. Class B
50. Class A
51. How often should a fire extinguisher be serviced and inspected?
52. Every year
53. Every week
54. Every three days
55. Every day
56. Safety glass or goggles \_\_\_\_\_\_\_\_\_\_\_\_\_\_ eye protection for the eyes?
57. Complete
58. Full
59. Maximum
60. Minimum
61. In the shop, what color represents safety equipment and safety areas?
62. Brown
63. Green
64. Red
65. Yellow with black
66. What should you wear to cover the nose and mouth to filter out particles of dust?
67. Ear plugs
68. Gloves
69. Goggles
70. Particle mask
71. Which class of fires includes wood, paper, and trash?
72. Class A
73. Class B
74. Class C
75. Class D
76. Which is a safe practice used in preventing fires?
77. Store fuel in un approved containers
78. Store fuels in approved containers
79. Store fuels next to material that burns easily
80. Store fuels where ever there is room
81. Which class of fires is a combustible metal?
82. Class D
83. Class C
84. Class B
85. Class A
86. Which of the following is more fire resistant?
87. Tattered clothing
88. Oily clothing
89. Greasy clothing
90. Clean clothing
91. Which class of fires is paper and trash equipment?
92. Class A
93. Class B
94. Class C
95. Class D
96. Continuous inhaling of dust can lead to the following.
97. Blind
98. Cancer
99. Hard of hearing
100. Lame
101. Which of the following is not part of the fire triangle:
102. Spark
103. Fuel
104. Heat
105. Oxygen
106. Shop safety is the responsibility of \_\_\_\_\_\_\_\_.
107. the student.
108. the instructor.
109. the shop aide.
110. everyone.
111. You should wear safety glasses/eye protection…
	1. When using power tools.
	2. When cutting materials.
	3. When grinding.
	4. All of the above.
112. What is my first classroom rule?
113. What do you plan to do to help keep the shop safe and a fun learning environment?
114. Print and sign your name below.

Bonus:

1. How many legs does the elephant have?

2. Which white center dot is the largest?





## **SAFETY CONTRACT**

1. I understand that eye protection needs to be worn correctly in the shop at all times without exception.
2. I will follow all safety procedures at all times without exception.
3. I understand that loose clothing, loose jewelry, including rings of any kind, long hair (not in a ponytail), and neckties (not protected by coveralls) can be dangerous in the shop and should not be worn.
4. I understand that Safety Signs are to be understood before using the welding equipment and the safety procedures are to be followed during its’ use.
5. I understand that protective clothing is an important part of shop safety and that clean coveralls or welding leathers and leather boots will be worn at all times, without exception, in the welding and fabrication areas.
6. I understand that horseplay in never allowed in the shop and can cause serious injury to myself and to other students around me.
7. I will report all accidents, no matter how minor.
8. I understand that cleaning the shop at the end of each class period is an important part of shop safety and I will participate at the end of every class or whenever it is needed.
9. I understand that running is never allowed in the shop at any time.
10. I understand that all tools and equipment, welding electrodes, chipping hammers, wire brushes, and steel are to be stored properly.

**Failure to comply with this safety contract can and will result in detentions, parent-teacher conferences, and/or expulsion from this class and any other shop class you are currently in and you will be kept out of any other shop classes in the future for safety and liability reasons.**

##### Student’s Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

##### Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_