



Introduction to Safety – Unit Six: Tool Safety

Unit Exam

1. A flat-head screwdriver _____.
 - a. is designed to have multiple uses, such as prying or acting as a wedge
 - b. is still safe if it doesn't fit the screw head
 - c. can be damaged if it isn't used properly
 - d. should have a metal handle because it has the highest torque

2. Pliers can easily slip off a nut or bolt _____.
 - a. if the gripping force is not great enough
 - b. if it isn't kept properly oiled
 - c. if its teeth are worn
 - d. when you try to use it as a wrench

3. A _____ wrench is also known as a ratchet wrench.
 - a. hex
 - b. torx
 - c. pipe
 - d. socket

4. Another name for a file is a *rasp*.
 - a. True
 - b. False

5. One advantage of a clamp is that it can be adjusted to securely attach to an object that is hoisted.
 - a. True
 - b. False

6. For better control, use screwdrivers with _____.
 - a. handles with smaller diameters
 - b. shorter shafts
 - c. longer shafts
 - d. metal handles





Introduction to Safety – Unit Six: Tool Safety

Unit Exam

7. _____ wrenches are designed to be used for round cylindrical objects.
 - a. Socket
 - b. Pipe
 - c. Adjustable
 - d. Open-ended

8. Wear _____ when using a hammer.
 - a. safety glasses
 - b. a face shield
 - c. a facemask
 - d. Both a and b

9. Power handtools should be disconnected when not in use _____.
 - a. because they may short and start a fire
 - b. because flammable dust will collect on them
 - c. because they may be accidentally started
 - d. because they always draw some electricity

10. To cut wood along the grain, use _____.
 - a. a ripping saw
 - b. a cross-cut saw
 - c. a fine-tooth saw if the wood is green
 - d. any saw as long as the teeth of the blade is sharp

11. When using a variable speed drill, do all of the following except, _____.
 - a. use sharp bits
 - b. be sure the material being drilled is secured in place
 - c. hold the drill at the correct angle
 - d. leave the bit in the drill when done using it





Introduction to Safety – Unit Six: Tool Safety

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12. One of the primary causes of loose wires that can be a shock or fire hazard is when _____.
- a grinding wheel comes in contact with the power cord
 - a saw blade comes in contact with the power cord
 - the power cord is repeatedly yanked on to remove it from the socket rather than grabbing and pulling the plug
 - the power cord is submerged in water and rapidly deteriorates
13. Disconnect the electric power source to avoid inadvertent start-up when changing the parts of a _____.
- grinder
 - drill
 - saw
 - All of the above
14. A momentary switch is one that _____.
- is closed for a prescribed time duration before it automatically turns off
 - enables power equipment to run only when it is momentarily squeezed by a finger
 - Both A and B
 - shuts down for a prescribed time duration before it automatically closes and runs the equipment
15. Hydraulic tools can be operated at extremely _____ temperatures.
- cold
 - hot
 - Both a and b
 - Neither a or b
16. Jack stands are mechanisms that lift a load using a lever and ratchet, similar to an air jack.
- True
 - False





Introduction to Safety – Unit Six: Tool Safety

Unit Exam

17. Interlocks cause equipment to _____ to prevent harm to the operator.
- turn on
 - turn off
 - go into a coasting state
 - destruct
18. A leak from the pressurized air in a pneumatic system may be able to break the skin of an operator.
- True
 - False
19. A powder-actuated tool is similar to a gun that shoots a bullet.
- True
 - False
20. Fasteners projected from a powder actuated gun are designed to be driven into _____
- very hard and brittle materials
 - very soft materials
 - hard materials that can be penetrated
 - All of the above
21. Hydraulic fluid _____.
- is fire-resistant
 - is very combustible
 - cannot be used at extreme temperatures
 - causes extreme burns if it gets on skin
22. One advantage of hydraulic equipment is that it can be trusted to keep a load elevated after being lifted to its desired height.
- True
 - False





Introduction to Safety – Unit Six: Tool Safety

Unit Exam

23. Which type of tool is run by pneumatic power?
- drill
 - chipper
 - grinder
 - All of the above
24. A *whipping hose* _____.
- is a tool
 - is an operation used to make baking ingredients
 - a condition that occurs when one end of a pressurized hose breaks away from a connection
 - None of the above
25. Machine parts that do not require tool guards are _____.
- belts
 - gears
 - shafts/couplers
 - None of the above





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PAGE 6 of 6

Introduction to Safety – Unit Six: Tool Safety
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