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## Introduction to Safety – Unit Six: Tool Safety

### Unit Exam Answer Key

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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





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7. \_\_\_\_\_ wrenches are designed to be used for round cylindrical objects.
- Socket
  - \*\* Pipe**
  - Adjustable
  - Open-ended
8. Wear \_\_\_\_\_ when using a hammer.
- safety glasses
  - a face shield
  - a facemask
  - \*\* Both a and b**
9. Power handtools should be disconnected when not in use \_\_\_\_\_.
- because they may short and start a fire
  - because flammable dust will collect on them
  - \*\* because they may be accidentally started**
  - because they always draw some electricity
10. To cut wood along the grain, use \_\_\_\_\_.
- \*\* a ripping saw**
  - a cross-cut saw
  - a fine-tooth saw if the wood is green
  - 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, \_\_\_\_\_.
- use sharp bits
  - be sure the material being drilled is secured in place
  - hold the drill at the correct angle
  - \*\* leave the bit in the drill when done using it**





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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**





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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**





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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**



**Multi-State  
Advanced Manufacturing  
Consortium**

US DOL SPONSORED TAACCCT GRANT: TC23767  
PRIMARY DEVELOPER: Jim Martini – Henry Ford College

RELEASE DATE 3/18/2016  
VERSION v 001  
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