

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

**Machinery**

For each statement below circle T for True or F for False.

1.	T	F	A flywheel is an example of a "power transmission device"
2.	T	F	Cutting, punching and shearing are considered to be "Motion Hazards"
3.	T	F	A belt between two pulleys would be considered have "Transverse Motion"

For each statement or question below write an X next to the best answer.

4.	<b>In-running nip points can injure you :</b>
	a) Between two rotating parts
	b) Between rotating and tangential parts
	c) Between rotating and fixed parts which shear, crush or abrade
	d) All of the above
5.	<b>Interlocked is a type of :</b>
	a) Guard
	b) Method
	c) Device
	d) All of the above
6.	<b>A restraint is a type of:</b>
	a) Safety guard
	b) Safety mentality

	c) Safety device/method
	d) None of the above

7.	T	F	Two handed controls are a type of fixed machine guard
8.	T	F	Conducting a ring tone test is a safety technique used in the sawing process
9.	T	F	A chop saw has a rotating motion and a cutting action
10.	T	F	One hazard of operating a wood lathe is that the stock can come loose and be thrown from the machine

Each photo below depicts one of the Machinery Guards or Safety Devices/Methods. Using the list below, write the proper guard or method/device next to the number that corresponds to the photo.



Write Answer Below

Choose From This List

11		Fixed	Presence Sensing	Two-Handed Controls
12		Interlocked	Pullback	Location/Distance
13		Adjustable	Restraint	
14		Self-Adjusting	Gates	
15		Fixed	Presence Sensing	

## Portable Power Tools

For each statement below circle T for True or F for False.

1.	T	F	When grinding you should keep one hand on the material to hold in place
2.	T	F	When using a grinder that can switch between left-handed and right-handed operation, you must remember to move the blade guard when you move the handle.
3.	T	F	When doing a ring test on a grinding wheel you should tap the wheel every 45 degrees.
4.	T	F	It is recommended that you use a liquid coolant on the grinding wheel to keep material from overheating
5.	T	F	Drills must be equipped with a constant-pressure switch or control that shuts off the power when pressure is released. There are no exceptions.

6.	<b>Before pulling the trigger on a drill you should:</b>		
	a) Ensure bits are sharp, true and in good condition.		
	b) Unplug the drill motor <b>before</b> changing or removing bits. The drill motor can turn on with the chuck key in place and cut/rap your hand.		
	c) Always mount the chuck key at the end of the power cable just above the plug.		
	d) a and b		
	e) All of the above		
7.	<b>While drilling, you should:</b>		
	a) Start slowly and slowly increase speed.		
	b) Vary the pressure and don't let the drill bind.		
	c) Slower speeds for thicker wood and high speed for metals.		
	d) All of the above		
8.	<b>To keep a drill from binding while being used you should:</b>		
	a) Vary speed		

	b) Run as fast as material will allow
	c) Consistently place maximum pressure on the drill
	d) Set drill trigger at one speed and remove finger for consistency

9.	T	F	A Sawzall is a reciprocating saw
10.	T	F	On a Sawzall the guard is also known as the sock
11.	T	F	You can change the blade on a Sawzall depending on if you want to saw up or down
12.	T	F	While sawing you should periodically blow the dust away

13.	<b>Which of the following hazards can be caused by using a needle gun?</b>		
	Impact		
	Respiratory		
	Loss of hearing		
	Hand/arm vibration		
	All of the above		

14.	T	F		This condition, caused by exposure to excessive vibration, is known as vibration-induced white finger (VWF).
15.	T	F		You should not grip a needle gun firmly as this will increase the tools vibration intensity.