

NAME: _____

CLASS OR PERIOD: _____

DATE OF INSTRUCTION: _____

1. Use the router *only* with your instructor's permission.
2. Use the router *only* after it's correct, safe use has been demonstrated for you and you understand what you were shown. If you have any doubts, ask questions.
3. Wear eye protection. The router throws a lot of chips and sawdust. Wear goggles or a face shield.
4. The router is one of the loudest tools in the shop. Protect your hearing. Wear ear muffs.
5. Keep the router disconnected until you are ready to use it. Keep the router unplugged when you install a bit, and unplug it again if you need to change bits.
6. Always check the power switch *before* you plug in the router. Check the switch to make sure it is in the "off" position.
7. Check the bit to make sure it is sharp and in good condition. A dull or damaged bit can be very dangerous to use.
8. Make sure the collet is in good condition. A worn, dirty or damaged collet can cause a vibration that will damage the bit and the router.
9. When you install a bit, insert at *least* 1/2 inch of the shank into the collet; more if possible.
10. When you handle the bits, try to keep your fingers away from the cutting edges.
11. Tighten the chuck so the bit is held securely, but don't force it. Don't tighten it so firmly that the router is damaged.
12. Be sure the bit clears the router base.
13. After the router has been adjusted for the depth of the cut, secure the locking lever or locking knob. Always double-check the locking lever before you use the router.
14. Don't try to remove a lot of material in one cut. If necessary, make several passes. Begin with a shallow cut, then re-set the depth for a deeper cut. This method is safer and it does a better job.
15. The area of the stock that is going to be routed has to be in good condition. It has to be clean, with no knots, splits or checks and free of paint or hardware.
16. The stock has to be smooth, and it must be thick enough for the type of cut you plan to make.
17. Fasten it down! Never try to hold on to the material while you use the router. Always fasten the work down.
18. When you fasten the material, keep clamps, hold-downs or other devices out of the path of the router.
19. Plan the cut so you can stay balanced. Don't over-reach.
20. When you operate the router, always hold it with *both* hands. Hold the router firmly with both hands.
21. Before you switch it on, be sure the bit is clear of the material. If the bit isn't completely clear, the router may be kicked out of your hands.
22. When you turn on the router, wait for it to come up to full speed before you move it into the cut.
23. Move the router steadily and evenly through the cut. Don't force it. Forcing or over-loading the router will damage the motor, the bit and the material. And, it is dangerous.

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24. The direction of feed should always be *against* the rotation of the bit. Think of the bit as a rotating chisel and move the router in the same direction you would move a chisel.
25. Don't turn off the router until the bit is clear of the stock. Move the bit away from the material before you turn off the router.
26. Wait for it to come to a complete stop before you set the router down.
27. Never set the router down on an exposed bit. Lay it on its side.

NAME: _____

CLASS OR PERIOD: _____

DATE: _____ SCORE: _____

ALWAYS WEAR EYE PROTECTION

1. Use the router only after you get _____ from the instructor.
2. Don't use the router until it's _____ use has been demonstrated for you and you understand what you were shown.
3. _____ must be worn to help avoid eye injuries.
4. _____ must be worn to protect your hearing.
5. The router must always be unplugged when it's not in use and when you change _____.
6. Before you plug in the router, check the _____ to make sure it is in the OFF position.
7. Be sure the bit is _____ and in good condition.
8. A worn, dirty or damaged collet can _____ the router and the bit.
9. The shank of the bit should be inserted at least _____ into the collet.
10. Avoid touching the _____ of the bit.
11. The chuck should be tightened enough to hold the bit _____, but not so tightly that the router is damaged.
12. Be sure the bit is clear of the router _____.
13. The _____ must be secured after the router has been adjusted for the depth of the cut.

COMPLETE EACH STATEMENT WITH THE CORRECT LETTER OR WORDS IN THIS COLUMN

- A. EAR MUFFS
- B. DAMAGE
- C. BASE
- D. THICK
- E. BOTH HANDS
- F. AGAINST
- G. COMPLETE
- H. OVER-LOADING
- I. BALANCE
- J. DEFECTS
- K. CUTTING EDGES
- L. SHARP
- M. EYE PROTECTION
- N. PERMISSION
- O. BITS
- P. 1/2 INCH
- Q. SECURELY
- R. SHALLOW CUTS
- S. EXPOSED
- T. LOCKING LEVER
- U. POWER SWITCH
- V. FASTENED DOWN
- W. CLEAR
- X. MATERIAL
- Y. CORRECT, SAFE
- Z. PATH
- AA. FULL



NAME: _____

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14. Avoid making a cut that is too deep. It is safer to make several _____.
15. The area of the stock that is to be routed must be clean and free of any _____.
16. The stock must be surfaced and smooth, and _____ enough for the type of cut you plan to make.
17. Material that is to be worked on with the router should always be _____.
18. The _____ of the router must be kept clear of clamps or other objects.
19. Plan the cut so you don't have to over-reach. Plan the cut so you can keep your _____.
20. Always hold the router firmly with _____ while you operate it.
21. The bit must be _____ of the material when the router is switched on.
22. Wait for the router to come up to _____ speed before you start the cut.
23. Forcing the router or _____ it will damage the router and the material.
24. The direction of feed should always be _____ the rotation of the bit.
25. The bit should be clear of the _____ before the router is turned off.
26. Wait for the router to come to a _____ stop before you set it down.
27. The router should never be set down on an _____ bit.

- A. EAR MUFFS
- B. DAMAGE
- C. BASE
- D. THICK
- E. BOTH HANDS
- F. AGAINST
- G. COMPLETE
- H. OVER-LOADING
- I. BALANCE
- J. DEFECTS
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- U. POWER SWITCH
- V. FASTENED DOWN
- W. CLEAR
- X. MATERIAL
- Y. CORRECT, SAFE
- Z. PATH
- AA. FULL

15**ANSWER KEY**
ROUTER SAFETY**15****ANSWER KEY**
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STATEMENT NUMBER	CORRECT LETTER AND WORDS	STATEMENT NUMBER	CORRECT LETTER AND WORDS
1	N. PERMISSION	14	R. SHALLOW CUTS
2	Y. SAFE, CORRECT	15	J. DEFECTS
3	M. EYE PROTECTION	16	D. THICK
4	A. EAR MUFFS	17	V. FASTENED DOWN
5	O. BITS	18	Z. PATH
6	U. POWER SWITCH	19	I. BALANCE
7	L. SHARP	20	E. BOTH HANDS
8	B. DAMAGE	21	W. CLEAR
9	P. 1/2 INCH	22	AA. FULL SPEED
10	K. CUTTING EDGES	23	H. OVER-LOADING
11	Q. SECURELY	24	F. AGAINST
12	C. BASE	25	X. MATERIAL
13	T. LOCKING LEVER	26	G. COMPLETE
		27	S. EXPOSED