

## STUDY GUIDE

### CIRCULAR TABLE SAW SAFETY

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

CLASS OR PERIOD: \_\_\_\_\_

DATE OF INSTRUCTION: \_\_\_\_\_

- |   |   |
|---|---|
| <p>1. Use the right type of blade and be sure it is sharp and in good condition. A dull blade is much more dangerous than a sharp one. <input type="checkbox"/></p>   | <p>11. Always rip down the <i>length</i> of the material. Do not use the rip fence as a guide for cutting a piece to square dimensions or when cutting across the width. Use the miter gage for this kind of cut. <input type="checkbox"/></p>                    |
| <p>2. The blade must be installed correctly with the teeth pointing toward the infeed side of the table. The teeth should point toward where the operator stands. <input type="checkbox"/></p>  | <p>12. When you use the miter gage, hold the material firmly against the miter gage and down on the table. Keep your hands well to the side, away from the blade. <input type="checkbox"/></p>  |
| <p>3. Use the blade guard, splitter guard and other safety devices whenever possible. Don't remove any guards without the instructor's permission. <input type="checkbox"/></p>   | <p>13. Before using the miter gage, check to be sure it slides freely down the whole length of the slot. <input type="checkbox"/></p>   |
| <p>4. Get permission before you change the blade or make any other major changes or adjustments. <input type="checkbox"/></p>   | <p>14. <i>Never</i> saw free-handed. Always use the rip fence for ripping and the miter gage for cross-cutting. <input type="checkbox"/></p>  |
| <p>5. Disconnect the saw before making any major changes or adjustments. Pull the plug or disconnect it at the circuit breaker. If you disconnect the circuit breaker, tape a sign on it that says: "Don't connect." <input type="checkbox"/></p> | <p>15. Check the condition of the wood. The material must be free of defects. Be sure there are no splits, checks, loose knots or hardware in the wood. <input type="checkbox"/></p>  |
| <p>6. All minor adjustments must be made with the saw turned off and completely stopped. <input type="checkbox"/></p>   | <p>16. Never try to saw warped wood. Don't use the table saw with wood that's crooked, bowed, cupped or twisted. The wood must be straight. <input type="checkbox"/></p>  |
| <p>7. Adjust the blade so that it is no more than 1/4 inch higher than the material being cut. The blade should be no higher than necessary. <input type="checkbox"/></p>   | <p>17. The wood has to be edged, surfaced and squared. Do <i>not</i> cut rough lumber on the table saw. <input type="checkbox"/></p>  |
| <p>8. When using the rip fence as a guide, be sure it is locked in position before you start to cut. <input type="checkbox"/></p>   | <p>18. Don't cut any cylindrical or round stock without the instructor's permission. <input type="checkbox"/></p>   |
| <p>9. Hold the material firmly against the rip fence and down on the surface of the table. Do not allow the material to lift off the table or move away from the fence. <input type="checkbox"/></p>  | <p>19. Always stand clear of the area directly behind the material being cut and the blade. Stand to the side. Stay out of the area of a possible kick-back. <i>Be sure this is demonstrated for you and that you understand it.</i> <input type="checkbox"/></p> |
| <p>10. When ripping narrow stock, always use a push stick to complete the cut. Keep your hands and fingers at least 4 inches from the blade. Use a push stick. <input type="checkbox"/></p>   | <p>20. Keep your hands and arms away from the blade and avoid reaching over the top of the blade. <input type="checkbox"/></p>  |



**STUDY GUIDE**  
CIRCULAR TABLE SAW  
SAFETY  
second page

NAME: \_\_\_\_\_  
CLASS OR PERIOD: \_\_\_\_\_

21. Use a long piece of scrap or use the push stick to clear the area around the blade. Don't leave scraps near the blade, but don't use your hands to clear them away. The safest way to clear away scraps is with the saw stopped.
22. Get permission before you re-saw material or use any special set-ups.
23. Wait for the saw to come up to full speed before starting the cut. Don't over-load the saw; don't force the cut.
24. Never back out of a cut while the saw is running. Turn off the saw and wait for it to come to a complete stop before you back the material out of the cut.
25. When you're working with a large piece of material, get help. Ask someone to "tail-off" for you. The tail-off helper should only support the material while you control it and move it through the cut.
26. Don't try *anything* on the saw that hasn't been demonstrated for you. Don't try anything you don't understand clearly.

## TEST CIRCULAR TABLE SAW SAFETY

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

CLASS OR PERIOD: \_\_\_\_\_

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

### ALWAYS WEAR EYE PROTECTION

1. Use the right type of blade and be sure the blade is \_\_\_\_\_ and in good condition.
2. Be sure the blade is installed correctly, and that the teeth are pointing toward the \_\_\_\_\_ side of the table.
3. Use the \_\_\_\_\_ and other safety devices whenever it is practical and correct to use them.
4. Get permission before you change the blade or make any other major \_\_\_\_\_ on the saw.
5. The saw must be \_\_\_\_\_ before any major changes or adjustments are made.
6. Turn off the saw and wait until it is completely \_\_\_\_\_ before making any minor adjustments.
7. The blade should be raised so it is no more than \_\_\_\_\_ above the material being cut.
8. When the rip fence is used as a guide, be sure it is \_\_\_\_\_ in place before you start the cut.
9. The material must be held down \_\_\_\_\_ against the surface of the table and along the rip fence as it moves past the blade.
10. Always use a \_\_\_\_\_ when you are making a narrow cut.
11. Never use the rip fence as a guide when you cut across the width of the material. Use the \_\_\_\_\_ as a guide when crosscutting.

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

- A. BLADE
- B. ROUGH
- C. FREELY
- D. FIRMLY
- E. DISCONNECTED
- F. TOP
- G. WARPED
- H. HANDS
- I. LOCKED
- J. ADJUSTMENTS
- K. RE-SAWING
- L. SHARP
- M. ROUND
- N. MITER GAGE
- O. 1/4 INCH
- P. BLADE GUARD
- Q. RUNNING
- R. NEVER
- S. STOPPED
- T. INFEEED
- U. FULL
- V. BEHIND
- W. DEFECTS
- X. PUSH STICK
- Y. DEMONSTRATED
- Z. LARGE



**TEST**  
**CIRCULAR TABLE SAW**  
**SAFETY**  
 second page

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

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12. Hold the material firmly against the miter gage and down against the surface of the table, but keep your \_\_\_\_\_ away from the blade and out of the path of the cut.
13. Be sure the miter gage slides \_\_\_\_\_ down the length of the guide slot before you start the cut.
14. \_\_\_\_\_ saw freehanded on the table saw.
- 15. The wood must be in good condition, with no \_\_\_\_\_ or hardware in it.
- 16. The wood must be straight. Do not cut \_\_\_\_\_ material on the table saw.
- 17. The wood must be edged and surfaced. Do not cut \_\_\_\_\_ lumber on the table saw.
18. Get the instructor's permission if you need to cut \_\_\_\_\_ or cylindrical stock.
19. To avoid injury from a kick-back, stay out of the area directly \_\_\_\_\_ the blade and the material being cut.
20. Keep your hands and arms away from the blade and avoid reaching over the \_\_\_\_\_ of the blade.
21. Use a long piece of scrap or a push stick to clear scraps from the area around the \_\_\_\_\_.
22. Get permission before you use any special set-ups and before \_\_\_\_\_ the wood.
23. Do not start to cut until the saw has come up to \_\_\_\_\_ speed.

- A. BLADE  
 B. ROUGH  
 C. FREELY  
 D. FIRMLY  
 E. DISCONNECTED  
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 X. PUSH STICK  
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 Z. LARGE

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

CLASS OR PERIOD: \_\_\_\_\_

24. Never back out of a cut while the saw is \_\_\_\_\_.
25. Ask for help when you cut a \_\_\_\_\_ piece of material. Ask someone to "tail-off" for you.
26. Don't do anything on the saw that hasn't been \_\_\_\_\_ for you. Don't do anything unless you understand how to do it correctly and safely.

**GET PERMISSION**

- A. BLADE
- B. ROUGH
- C. FREELY
- D. FIRMLY
- E. DISCONNECTED
- F. TOP
- G. WARPED
- H. HANDS
- I. LOCKED
- J. ADJUSTMENTS
- K. RE-SAWING
- L. SHARP
- M. ROUND
- N. MITER GAGE
- O. 1/4 INCH
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**11****ANSWER KEY**  
CIRCULAR TABLE SAW  
SAFETY**11****ANSWER KEY**  
CIRCULAR TABLE SAW  
SAFETY  
second pageSTATEMENT  
NUMBERCORRECT LETTER  
AND WORDS

- |    |                 |
|----|-----------------|
| 1  | L. SHARP        |
| 2  | T. INFEED       |
| 3  | P. BLADE GUARD  |
| 4  | J. ADJUSTMENTS  |
| 5  | E. DISCONNECTED |
| 6  | S. STOPPED      |
| 7  | O. 1/4 INCH     |
| 8  | I. LOCKED       |
| 9  | D. FIRMLY       |
| 10 | X. PUSH STICK   |
| 11 | N. MITER GAGE   |

STATEMENT  
NUMBERCORRECT LETTER  
AND WORDS

- |    |              |
|----|--------------|
| 12 | H. HANDS     |
| 13 | C. FREELY    |
| 14 | R. NEVER     |
| 15 | W. DEFECTS   |
| 16 | G. WARPED    |
| 17 | B. ROUGH     |
| 18 | M. ROUND     |
| 19 | V. BEHIND    |
| 20 | F. TOP       |
| 21 | A. BLADE     |
| 22 | K. RE-SAWING |
| 23 | U. FULL      |

**ANSWER KEY**

CIRCULAR TABLE SAW

SAFETY

third page

STATEMENT  
NUMBERCORRECT LETTER  
AND WORDS

24

Q. RUNNING

25

Z. LARGE

26

Y. DEMONSTRATED