

## STUDY GUIDE BAND SAW SAFETY

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

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

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

1. Before you use the band saw, check the blade. Be sure the blade is sharp and that it is the right type of blade for the work you want to do.
2. Check the tension of the blade and check to be sure it's installed properly with the teeth pointing downward.
3. Check with your instructor before you make any changes on the saw and before you use any special set-ups.
4. Wheel guards must be closed and locked before the saw is switched on.
5. Before you switch on the saw, adjust the upper blade guide so it's about 1/4 inch above the material you're going to cut.
6. When you switch on the saw, be sure that it is tracking properly. The blade should move evenly between the blade guides and along the blade support wheel.
7. If the blade makes a clicking noise while it's operating, turn off the saw *immediately*. A clicking sound usually means there's a crack in the blade. It usually means the blade is about to break.
8. Never stand on the right side of the table, and don't let anyone else stand on that side of the saw. If the blade breaks it could be thrown out of the saw toward the right side and it would cause some very serious injuries.
9. If the blade breaks, get out of the way *immediately*.
10. Never make any adjustments on the saw while it's moving. Adjustments should be made only when the saw is completely stopped.
11. Wait for the saw to come up to full speed before you start the cut.
12. Don't force the cut. Feed the material slowly enough to allow a smooth, easy cut.
13. If you have to back out of a cut, turn off the saw and wait for it to come to a complete stop. Pull the material back without forcing it and without twisting the blade.
14. Small circles or sharp curves should be cut with a narrow blade. Make relief cuts first.
15. Keep your fingers away from the front of the blade. Guide the material so your hands and fingers are never in line with the cut. Keep them completely out of the path of the cut.
16. Use a piece of wood to remove scraps from around the blade. The safest way is to stop the saw first, then remove the scrap material.
17. Keep the material firmly against the table. The stock must be supported by the table.
18. Stay balanced. Plan the cut so you can always keep yourself balanced.
19. If the material you're cutting is large or heavy, get help. Get someone to support the material while you guide it through the saw.
20. Don't try to cut cylindrical stock on the band saw.
21. Don't leave the machine while it's running. Turn it off and wait until it comes to a complete stop before you leave.
22. Use the bandsaw *only* after it's been demonstrated for you and you understand how to use it correctly and safely.

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

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

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

### ALWAYS WEAR EYE PROTECTION

1. Before using the band saw the blade should be checked to make sure it is \_\_\_\_\_ and that it is the right type of blade for the work.
2. Check to be sure the blade is installed properly with the teeth pointing \_\_\_\_\_.
3. Get permission from the instructor before making any \_\_\_\_\_ or adjustments on the saw.
4. The wheel guards must be \_\_\_\_\_ and locked before the saw is turned on.
5. The blade guide should be adjusted so that it is about \_\_\_\_\_ above the material you are going to cut.
6. When you switch on the saw, make sure it is \_\_\_\_\_ properly.
7. If the saw makes a \_\_\_\_\_ noise while it is running, turn it off *immediately*.
8. Never stand on the \_\_\_\_\_ side of the table, and don't let anyone else stand on that side while the saw is running.
9. If the blade breaks, get out of the way \_\_\_\_\_.
10. Never make adjustments on the saw while it is \_\_\_\_\_.
11. Wait for the saw to come up to \_\_\_\_\_ speed before you start the cut.
12. Feed the material smoothly and evenly through the cut. Don't \_\_\_\_\_ it.

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

- A. SAFELY
- B. BALANCE
- C. NARROW
- D. FORCE
- E. 1/4 INCH
- F. DOWNWARD
- G. LEAVE
- H. TABLE
- I. BACK OUT
- J. CLICKING
- K. CHANGES
- L. SHARP
- M. CYLINDRICAL
- N. WOOD
- O. IMMEDIATELY
- P. FULL
- Q. CLOSED
- R. TRACKING
- S. RUNNING
- T. RIGHT
- U. NEVER
- V. SUPPORT



13. Do not \_\_\_\_\_ of a cut while the saw is running. Stop the saw and wait for it to come to a complete stop.
14. A \_\_\_\_\_ blade should be used for cutting small circles or sharp curves. Relief cuts should be made first.
15. Guide the material so your hands and fingers are \_\_\_\_\_ in the path of the cut. Keep them out of the line of the cut.
16. Use a piece of \_\_\_\_\_ to remove scraps from around the blade.
17. The material must be held down firmly against the \_\_\_\_\_ while it is being cut.
18. Plan the cut so you can keep your \_\_\_\_\_ all the way through the cut.
19. When you cut a large piece of material, ask someone to help \_\_\_\_\_ the stock while you guide it through the saw.
20. You should never try to cut \_\_\_\_\_ stock on the band saw.
21. Always turn the band saw off and wait for it to come to a complete stop before you \_\_\_\_\_ it.
22. Do not use the band saw until you understand how to use it correctly and \_\_\_\_\_.

**GET PERMISSION**

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