

Band Saw Safety and Scroll saw Safety Test

Name _____ Date _____

Multiple Choice - Write the letter that best answers the question to the left of the question number.

- _____ 1. Before operating the band saw the following is required:
- a. Close one eye to get a sight line
 - b. Wear proper eye protection and have all safety devices in place
 - c. Test the sharpness of the blade by running your finger over it
 - d. Wear head protection such as a hard hat
- _____ 2. The guards on the band saw should be adjusted to be approximately
- a. $\frac{1}{8}$ to $\frac{1}{4}$ inch above the stock
 - b. $\frac{5}{16}$ to $\frac{1}{2}$ inch above the stock
 - c. $\frac{5}{8}$ to $\frac{3}{4}$ inch above the stock
 - d. 1 to 2 inches above the stock
- _____ 3. Your fingers should never get within _____ inch(es) of the blade cutting line.
- a. $\frac{1}{2}$ b. $\frac{3}{4}$
 - c. 1 d. 2
- _____ 4. When cutting curved or irregular shapes with the band saw _____ are needed to keep the blade from binding.
- a. Miter gauges
 - b. V-blocks
 - c. Relief cuts
 - d. Rip fences
- _____ 5. When cutting cylindrical stock a _____ must be used.
- a. Roller bearing
 - b. Rip fence
 - c. Twist bit
 - d. V-block

- _____ 6. While band saw is running, never use your _____ to remove small scrap from the cutting path.
- a. Fingers
 - b. Push Stick
 - c. Pencil
 - d. Stock being cut
- _____ 7. If it is necessary to back the stock out of a cut you must:
- a. Use another board to slow down the blade
 - b. Pull the stock as hard as you can while blade is moving
 - c. Adjust blade tension while blade is moving
 - d. Shut machine off and wait for the blade to come to complete stop then remove stock.
- _____ 8. While operating the band saw it is a safe practice to:
- a. Maintain a balanced stance at all times
 - b. Open wheel guards while saw is running
 - c. Reach across material being cut
 - d. Talk to any one near by, explaining your technique
- _____ 9. When cutting with the band saw you should:
- a. Make sure you are aware of your surrounding, look around the shop once in while cutting stock
 - b. Make sure you have an audience so that you can explain what you are doing
 - c. Always concentrate on what your doing, never talk to anyone nor look away from the cut
 - d. Remove scrap from the saw and floor only at the end of the hour
- _____ 10. If the blade breaks while you are using the band saw you should.
- a. Try to finish your cut
 - b. Turn off the power and notify the instructor immediately
 - c. When convenient, inform the instructor, preferably at the end of the class period
 - d. Tell no one and hope someone else gets blamed

_____11. The correct blade width to use for a specific job depends on

_____.

- a. Speed of the cut
- b. The radius of the cut
- c. Material being cut
- d. Does not matter

_____12. Why is it unsafe to cut with a dull blade?

- a. You have to exert too much pressure to make the cut which could cause your hands to slip off the work
- b. It isn't. A sharp blade will cut you deeper
- c. Band saw blades do not dull. This a trick question
- d. Band saw blades do not dull. This a trick question