

NAME: _____

CLASS OR PERIOD: _____

DATE OF INSTRUCTION: _____

- | | |
|--|--|
| <p>1. Wear a face shield when operating a lathe. <input type="checkbox"/></p> <p>2. Wear a cap. If your hair is long be sure it's tucked away neatly and tightly under the cap. Your hair <i>must</i> be kept away from the turning lathe. <input type="checkbox"/></p> <p>3. Clothing must be tucked in and sleeves must be rolled up neatly, out of the way. Loose clothing can get caught in the lathe. <input type="checkbox"/></p> <p>4. Don't wear any jewelry when you operate a lathe. Remove rings, watches, bracelets or necklaces. <input type="checkbox"/></p> <p>5. Don't let anyone stand nearby or talk to you while you operate the lathe. <input type="checkbox"/></p> <p>6. When a safety shield is used with the lathe, the shield must be clear and free of scratches, dust or waste material. Keep the shield clean so you can see through it clearly. <input type="checkbox"/></p> <p>7. Inspect the wood carefully for defects. Be sure there are no knots, checks, splits or other defects. The wood must be sound and in good condition. <input type="checkbox"/></p> <p>8. If the work has been glued, allow at least 24 hours for it to set up properly. Be sure the wood is firmly bonded together. <input type="checkbox"/></p> <p>9. When the dead center is used, put paraffin, oil or soap on it. Lubricating the dead center reduces friction and prevents the stock from burning and coming loose. <input type="checkbox"/></p> <p>10. Be sure the material is centered and fastened firmly, and that the handwheel on the tailstock is locked. <input type="checkbox"/></p> <p>11. Set the tool rest in position close to the material, but clear of the material. Turn the stock by hand to be sure it clears the tool rest at all points. The tool rest must not touch the material. <input type="checkbox"/></p> | <p>12. Check the gouges and wood turning chisels to be sure they are sharp and in good condition, but don't test them with your fingers. <input type="checkbox"/></p> <p>13. Some chisels and gouges are hand tools and some are for use with the lathe. Use <i>only</i> those chisels and gouges manufactured for lathe turning. Do not use anything except wood turning tools. <input type="checkbox"/></p> <p>14. Adjust the speed of the lathe for the type of work you're going to do. Rough work should be done at the lowest speed possible. Large stock should also be turned at a lower speed. <input type="checkbox"/></p> <p>15. If the lathe begins to shake or vibrate, turn it off immediately. A vibration usually means the work is off-center or coming loose. <input type="checkbox"/></p> <p>16. When you measure or make an adjustment, turn off the lathe and wait for it to come to a complete stop. Do not use calipers or move the tool rest unless the lathe is completely stopped. <input type="checkbox"/></p> <p>17. Keep the tools sharp. Stop the work from time-to-time and sharpen the tools. Using a dull tool on the lathe is extremely dangerous. <input type="checkbox"/></p> <p>18. Always hold the cutting tool firmly with both hands. <input type="checkbox"/></p> <p>19. Whenever possible, start the cut in the middle of the stock and cut toward the end. Don't start a cut at the end of the stock. <input type="checkbox"/></p> <p>20. Deep cuts are dangerous. You could injure yourself or damage the cutting tool, the work and the lathe by forcing the cut. Make shallow, smooth, even cuts. <input type="checkbox"/></p> <p>21. When faceplate turning, the material must be firmly and securely fastened to the faceplate. <input type="checkbox"/></p> |
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STUDY GUIDE
LATHE SAFETY
second page

NAME: _____

CLASS OR PERIOD: _____

22. Use a scraping cut for faceplate turning. Don't use the gouge for faceplate turning.
23. Avoid cutting into the screws when mounting screws are used to hold the material to the faceplate.
24. Remove the tool rest before you begin sanding or polishing.
25. Polishing rags should be folded neatly to keep them from being caught in the turning lathe or the stock.
26. Use a slow speed for sanding and polishing. High speed produces too much heat.
27. Use the lathe *only* after its correct, safe operation has been fully demonstrated and you understand how to use it properly.

TEST LATHE SAFETY

NAME: _____

CLASS OR PERIOD: _____

DATE: _____ SCORE: _____

ALWAYS WEAR EYE PROTECTION

1. A _____ should be worn to protect your eyes when operating a lathe.
2. _____ should be tucked neatly under a cap to keep it from being caught in the moving lathe.
3. Loose clothing must be tucked in neatly so it won't get _____ in the lathe.
4. Never wear a necklace or other _____ while operating the lathe.
5. No one should stand near the operator or _____ to the person operating the lathe.
6. When a safety shield is used, it must be kept _____ so the operator can see through it clearly.
7. The wood that is being turned must be in good condition and free of any _____.
8. If the wood has been glued, it should set up for at least 24 hours and be firmly _____ before it is turned.
9. When the dead center is used, it should be _____ to reduce friction.
10. The material must be _____ and fastened firmly in the lathe.
11. Adjust the tool rest so it is close to the material without _____ it at any point.
12. The wood turning chisels and gouges must be in good condition and _____.
13. Use only chisels and gouges that are specifically designed and manufactured for _____.

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

- A. WOOD TURNING
- B. ADJUSTMENTS
- C. MIDDLE
- D. SCRAPING
- E. POLISHING RAG
- F. TOUCHING
- G. LUBRICATED
- H. FACE SHIELD
- I. JEWELRY
- J. DEFECTS
- K. SLOW
- L. MOUNTING SCREWS
- M. DEEP
- N. DANGEROUS
- O. LONG HAIR
- P. TALK
- Q. BONDED
- R. CENTERED
- S. SPEED
- T. UNDERSTAND
- U. TOOL REST
- V. SHARP
- W. VIBRATE
- X. FIRMLY
- Y. FACEPLATE
- Z. CAUGHT
- AA. CLEAN



NAME: _____

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14. The _____ of the lathe should be adjusted for the type of material and the size of the material that is going to be turned.
15. The lathe should be turned off immediately if it begins to _____.
16. The lathe must be turned off and completely stopped before any _____ or measurements are made.
17. Dull tools are more _____ than tools that are kept sharp.
18. The cutting tool must be held _____ with both hands.
19. Whenever possible, the cut should be started in the _____ of the stock.
20. The cut should be shallow, smooth and even. A cut that is too _____ is dangerous.
21. When faceplate turning, the material must be securely fastened to the _____.
22. A _____ type of cut must be used for faceplate turning.
23. When _____ are used to hold the material to the faceplate, extra care must be taken to avoid cutting into them.
24. Before any sanding or polishing operation, the _____ must be removed.
25. Fold the _____ neatly so it won't get caught in the turning lathe or the material.
26. Use a _____ speed for sanding or polishing.
27. Do not use the lathe until you fully _____ how to use it correctly and safely.

- A. WOOD TURNING
- B. ADJUSTMENTS
- C. MIDDLE
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- U. TOOL REST
- V. SHARP
- W. VIBRATE
- X. FIRMLY
- Y. FACEPLATE
- Z. CAUGHT
- AA. CLEAN

18**ANSWER KEY**
LATHE SAFETYSTATEMENT
NUMBERCORRECT LETTER
AND WORDS

- | | |
|----|-----------------|
| 1 | H. FACE SHIELD |
| 2 | O. LONG HAIR |
| 3 | Z. CAUGHT |
| 4 | I. JEWELRY |
| 5 | P. TALK |
| 6 | AA. CLEAN |
| 7 | J. DEFECTS |
| 8 | Q. BONDED |
| 9 | G. LUBRICATED |
| 10 | R. CENTERED |
| 11 | F. TOUCHING |
| 12 | V. SHARP |
| 13 | A. WOOD TURNING |

ANSWER KEY 18

18**ANSWER KEY**
LATHE SAFETY
second pageSTATEMENT
NUMBERCORRECT LETTER
AND WORDS

- | | |
|----|--------------------|
| 14 | S. SPEED |
| 15 | W. VIBRATE |
| 16 | B. ADJUSTMENTS |
| 17 | N. DANGEROUS |
| 18 | X. FIRMLY |
| 19 | C. MIDDLE |
| 20 | M. DEEP |
| 21 | Y. FACEPLATE |
| 22 | D. SCRAPING |
| 23 | L. MOUNTING SCREWS |
| 24 | U. TOOL REST |
| 25 | E. POLISHING RAG |
| 26 | K. SLOW |
| 27 | T. UNDERSTAND |