

**STUDY GUIDE  
GRINDER SAFETY**

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

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

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

1. Always wear a face shield or goggles.
2. Don't wear any jewelry. Remove your watch, rings, bracelets or necklaces.
3. Loose clothing can get caught in the grinder. Keep clothes tucked in and keep shirt sleeves buttoned down or rolled up neatly out of the way.
4. If your hair is long, tie it back or wear a cap over it. Long hair can get caught in the grinder.
5. Before you turn on the grinder, check the wheel to be sure it isn't damaged or cracked. If there's anything wrong with the grinding wheel, tell the instructor.
6. There should be a transparent plastic shield on the grinder. Be sure the safety shield is in the correct position and that it is clear and clean.
7. Always use the tool rest. Be sure it is positioned correctly and fastened firmly. Never try to grind free-handed. Use the tool rest.
8. Check the coolant pan to be sure there is water in it.
9. Stand to one side when you switch on the grinder. Stand off to the side until it comes up to full speed. If a wheel is damaged or defective, it can fly apart as it comes up to full speed.
10. If the grinder starts to shake or vibrate, or if it doesn't sound right, move to one side and turn it off immediately.
11. Never use the side of the wheel for grinding. Always grind on the face of the wheel.
12. Use a light, steady pressure against the wheel. Too much pressure can damage the grinding wheel, it can damage the edge that is being ground, and it can be dangerous.
13. Keep your hands and fingers away from the wheel while it is moving.
14. Never test the results with your fingers. You could cut yourself *and* burn yourself.
15. When you're finished, turn off the grinder and stay with it until it has come to a full stop.
16. Wash your hands to remove the grains of abrasive and the metal particles. Don't touch your face or wipe your eyes until you have thoroughly washed your hands.

## TEST GRINDER SAFETY

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

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

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

### ALWAYS WEAR EYE PROTECTION

1. Wear a face shield or \_\_\_\_\_ when you use the grinder.
2. Remove any \_\_\_\_\_ you might be wearing.
3. Clothing must be \_\_\_\_\_ and sleeves should be rolled up neatly.
4. Long hair must be \_\_\_\_\_ or worn under a cap.
5. Before you turn on the grinder, check the wheel to be sure it isn't \_\_\_\_\_ or cracked.
6. Check the safety shield on the grinder to make sure it is adjusted correctly and \_\_\_\_\_.
7. Always use the \_\_\_\_\_ to support the material, and be sure it is adjusted correctly and fastened firmly.
8. Check the coolant pan to see that there is \_\_\_\_\_ in it.
9. Do not stand in front of the grinder when you turn it on. Stand to the \_\_\_\_\_ until it comes up to full speed.
10. If the grinder doesn't sound right, or if it begins to vibrate, turn it off \_\_\_\_\_.
11. Never grind on the sides of the wheel. Always use the \_\_\_\_\_.
12. Use a \_\_\_\_\_, steady pressure against the wheel. Grinding too hard can be dangerous.
13. Never let your hands or \_\_\_\_\_ get close to a moving grinding wheel.

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

- A. WATER
- B. IMMEDIATELY
- C. LIGHT
- D. BURN
- E. STOPPED
- F. GOGGLES
- G. TUCKED IN
- H. DAMAGED
- I. TOOL REST
- J. WASH
- K. JEWELRY
- L. FINGERS
- M. TIED BACK
- N. FACE
- O. CLEAN
- P. SIDE



**TEST**  
**GRINDER SAFETY**  
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NAME: \_\_\_\_\_

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

14. Using your fingers to test the results of the grinding could cause a cut or a painful \_\_\_\_\_.
15. Stay with the grinder until it is completely \_\_\_\_\_ . Never leave a tool that's still running.
16. When you are finished, \_\_\_\_\_ your hands thoroughly to remove abrasive or metal particles.

**GET PERMISSION**

- A. WATER
- B. IMMEDIATELY
- C. LIGHT
- D. BURN
- E. STOPPED
- F. GOGGLES
- G. TUCKED IN
- H. DAMAGED
- I. TOOL REST
- J. WASH
- K. JEWELRY
- L. FINGERS
- M. TIED BACK
- N. FACE
- O. CLEAN
- P. SIDE

**21****ANSWER KEY**  
GRINDER SAFETY**21****ANSWER KEY**  
GRINDER SAFETY  
second pageSTATEMENT  
NUMBERCORRECT LETTER  
AND WORDS

1 F. GOGGLES

2 K. JEWELRY

3 G. TUCKED IN

4 M. TIED BACK

5 H. DAMAGED

6 O. CLEAN

7 I. TOOL REST

8 A. WATER

9 P. SIDE

10 B. IMMEDIATELY

11 N. FACE

12 C. LIGHT

13 L. FINGERS

STATEMENT  
NUMBERCORRECT LETTER  
AND WORDS

14 D. BURN

15 E. STOPPED

16 I. WASH