

Name: _____

Score: _____

Grinders

Offhand Grinding

Read Section 3, Unit 5

Define the following Terms

1. Aluminum Oxide

2. Blotter

3. Glazing

4. Ring Test

5. Loading

6. Silicon Carbide

7. Spark Breaker

8. Tool Rest

9. Wheel Dresser

10. Wheel Flange

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Answer the following questions

11. What is the main benefit of offhand abrasive machining or grinding?
12. What type of metals should not be ground on a pedestal grinder?
13. Which wheel is finer, a 60 grit or a 36 grit?
14. If a grinder runs at 3400 RPM and you have a wheel that is rated to run at 3000 RPM, is the wheel safe to use on that grinder?
15. How is a ring test performed?
16. Why is it necessary to have blotters on both sides of a wheel?
17. The maximum distance that a spark breaker and tool rest should be from a wheel is _____.
18. When should a grinding wheel be dressed?
19. Where should you stand when using a grinder?
20. What should be avoided when grinding tools on the grinder?