

Name: _____

Date: _____

1. Which of the following indicates the strength or classification of a bolt?

- A. The length of the bolt
- B. The material of the bolt
- C. The diameter of the bolt
- D. The grade of the bolt

2. What does tensile strength refer to?

- A. The ability to resist bending
- B. The weight a bolt can carry
- C. The maximum stress under tension without causing failure
- D. The bolt's resistance to rust

3. Castle nuts are distinct because they:

- A. Have a design that resembles a castle
- B. Are made of a unique metal blend
- C. Always have a metric measurement
- D. Have no threads

4. For what purpose are taps and dies primarily used?

- A. For tightening bolts
- B. To cut threads
- C. To measure threads
- D. To lubricate threads

5. Which screws are designed specifically for use in sheet metal and have the ability to cut threads as they're installed?

- A. Castle screws
- B. Machine screws
- C. Sheet metal screws
- D. Threaded rod screws

6. What is the primary function of plain flat washers?

- A. To lock onto the nut for easy assembly
- B. To provide an even clamping load around the fastener
- C. To prevent the nut from loosening
- D. To resist corrosion

7. Why shouldn't lock washers be used on soft metals like aluminum?

- A. They are too large for soft metals
- B. The aluminum can corrode the washer
- C. The sharp ends of steel washers can gouge the aluminum
- D. Aluminum causes the washer to lose its spring-like tension

8. Which washer has teeth that bite into the metal and is often used on sheet metal or body parts?

- A. Spring-type lock washer
- B. Flat washer
- C. Star washer
- D. Spring steel lock washer

9. Snap rings are primarily used to:

- A. Tighten threads
- B. Attach with a spring-like action without a threaded fastener
- C. Prevent the nut from loosening
- D. Ensure equal clamping force

10. Which of the following are often referred to as "Christmas tree clips"?

- A. Snap rings
- B. Interior door panel clips
- C. Cotter pins
- D. Rivets

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Chapter 8

Multiple Choice Quiz A

Answer Key

1. D

2. C

3. A

4. B

5. C

6. B

7. C

8. C

9. D

10. B