



# Textile Fibers

## Chapter 11 Study Guide

**Directions:** As you read the chapter, answer the following questions. Later you can use this study guide to review for the Chapter 11 test.

1. How are fibers turned into textiles? \_\_\_\_\_  
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2. Why don't natural fibers have a trade name? \_\_\_\_\_  
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3. Contrast tensile strength and resiliency. \_\_\_\_\_  
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4. Why is abrasion resistance an important quality in a fiber? \_\_\_\_\_  
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5. What is the difference between absorbency and wicking? \_\_\_\_\_  
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6. How is cotton different in composition from wool? \_\_\_\_\_  
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7. How does silk differ from all other natural fibers? \_\_\_\_\_  
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8. According to Fig. 11-4, how do the care needs of cotton compare to those of silk? \_\_\_\_\_  
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9. What useful qualities does cotton supply in a garment? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**Chapter 11**  
**Study Guide** *(continued)*

10. What are some advantages of using flax in textiles? \_\_\_\_\_

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11. What are silk's positive and negative qualities? \_\_\_\_\_

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12. What happens during the spinning stage of fiber manufacturing? \_\_\_\_\_

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13. What is a second- or third-generation fiber? \_\_\_\_\_

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14. What positive qualities does rayon add to fabrics? \_\_\_\_\_

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15. Name three positive traits and three negative traits of nylon. \_\_\_\_\_

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16. Compare and contrast acetate with triacetate. \_\_\_\_\_

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17. Why are spandex and elastoester good choices for athletic wear? \_\_\_\_\_

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18. What is PLA fiber? Name three characteristics of PLA. \_\_\_\_\_

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