**LABORATORY EXERCISE 8**
**EPITHELIAL TISSUES**

**Laboratory Report Answers**

**PART A**
1. f  
2. d  
3. c  
4. d  
5. e  
6. d  
7. c  
8. f  
9. b  
10. a  
11. a  
12. c

**PART B**
(sketches)

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**Critical Thinking Application Answers**
Stratified squamous epithelium would have excellent protection as it is several cells thick. Pseudostratified columnar epithelium with cilia would provide good movement of mucus and trapped particles away from the lungs.

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**LABORATORY EXERCISE 9**
**CONNECTIVE TISSUES**

**Laboratory Report Answers**

**PART A**
1. f  
2. a  
3. c  
4. d  
5. b  
6. e  
7. a  
8. i  
9. h  
10. d  
11. g  
12. j

**PART B**
(sketches)

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**Critical Thinking Application Answers**
The spleen is composed of reticular connective tissue. This type of tissue contains only short, thin, collagenous fibers (reticular fibers) that are widely scattered. The result is a delicate distribution of fibers among cells and a fluid ground substance. (Spleen repair is difficult due to the short reticular fibers. A ruptured spleen is often removed in surgery.)

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**LABORATORY EXERCISE 10**
**MUSCLE AND NERVOUS TISSUES**

**Laboratory Report Answers**

**PART A**
1. b  
2. a  
3. d  
4. a  
5. c  
6. b  
7. c  
8. a  
9. d  
10. b

**PART B**
(sketches)