

Name: \_\_\_\_\_

## **CHAPTER 10 WORKSHEET**

### **TISSUE RESPONSE TO INJURY**

**MATCHING**—Match the following terms with the appropriate response.

- |                               |  |
|-------------------------------|--|
| _____ 1. Calor                | A. White blood cells                         |
| _____ 2. Chemical Mediator    | B. Cells that produce bone                   |
| _____ 3. Dolor                | C. Healing of an incision                    |
| _____ 4. Leukocytes           | D. Heat                                      |
| _____ 5. Inflammation         | E. Healing of an abrasion                    |
| _____ 6. Margination          | F. A decrease in vessel diameter             |
| _____ 7. Osteoblasts          | G. Involved in clot formation                |
| _____ 8. Osteoclasts          | H. Leukocytes move to endothelial walls      |
| _____ 9. Platelets            | I. Pain that radiates to other areas         |
| _____ 10. Phagocytosis        | J. An increase in vessel diameter            |
| _____ 11. Primary Intention   | K. Pain                                      |
| _____ 12. Referred pain       | L. Engulfing of foreign matter to destroy it |
| _____ 13. Secondary Intention | M. Cells that resorb bone                    |
| _____ 14. Vasoconstriction    | N. The body's reaction to injury             |
| _____ 15. Vasodilation        | O. Limits exudate                            |

**SHORT ANSWER**

16. A *chemical mediator* that is a primary vasodilator is \_\_\_\_\_.
17. *Leukotaxin* and *histamine* increase vessel wall \_\_\_\_\_.
18. Why does a muscle injury take longer to heal than a ligament injury? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
19. Before regeneration and repair can take place, what other physiological response must occur? \_\_\_\_\_  
 \_\_\_\_\_
20. What role do *macrophages* play in the repair and regeneration process? \_\_\_\_\_  
 \_\_\_\_\_
21. *Collagen* is formed by \_\_\_\_\_.
22. What is *avascular necrosis*? \_\_\_\_\_
23. *Ligaments* may take as long as \_\_\_\_\_ to become completely remodeled.
24. \_\_\_\_\_ pain is *deep, achy* and *poorly localized* where as \_\_\_\_\_ pain is *sharp* and *well localized*.
25. When is remodeling of bone considered complete? \_\_\_\_\_  
 \_\_\_\_\_

