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1. Use the key choices to identify the major tissue types described below. (10 X3= 30)

Key : A. connective tissue B. epithelium C. muscle D. nervous tissue

**You may put the appropriate LETTER in the blank spaces.**

1. B. lines body cavities and covers the body's external surface
2. C. pumps blood, flushes urine out of the body, allows one to swing a bat
3. D. transmits electrochemical impulses
4. C. major function is to contract
5. A. cells are far apart, may store minerals and fat, means of transport
6. B. synthesizes hormones
7. D forms nerves and the brain
8. A. hard, composed of osteocytes
9. C. attaches to the skeleton and enables the body to move
10. B. most widespread tissue in the body

2. Using the key, choose the best response to identify the connective tissue described below. (5x3=15)

Key: A. Adipose tissue B. Blood C. Bone D. Hyaline Cartilage E. Elastic Cartilage

**You may put the appropriate letter in the blank spaces.**

1. Acts as a storage depot for fat: A.
2. Provides a flexible framework for the external ear: E.
3. Hard, owing to calcium salts: provides levers for muscles to act on C.
4. covers ends of bones, reduces friction D.
5. Cells are far apart, transport food, oxygen, waste, hormones B.

3. State TRUE or False. (5x3=15)

1. The supportive cells of the nervous system are called neurons. False.
2. The nervous tissue is found in brain, spinal cord, and peripheral nerves. True
3. Osteocytes are nerve cells False.
4. The brain, spinal cord, and peripheral nerves are epithelium. False
5. The nervous tissue controls and coordinates body movements. True

4. The three types of muscle tissue exhibit similarities as well as differences. **Check the appropriate space** in the chart to indicate which muscle type exhibits each characteristic. . (10 X3= 30)

Characteristic	Skeletal	Cardiac	Smooth
Voluntarily controlled	X		
Involuntarily controlled		X	X
Striated		X	
Has a single nucleus in each cell		X	X
Has several nuclei per cell	X		
Found attached to bones	X		
Allows you to direct your eyeballs	X		
Found in the walls of the stomach, uterus, and arteries			X
Concerned with locomotion of the body as a whole	X		
Tissue of the heart		X	

5. Choose the correct answer (5x2= 10)
- Chemical substances that are released or activated in the injured tissues and adjacent blood vessels are \_\_\_\_\_  
 A. Antibiotics    **B. Mediators of inflammation**    C. Neutrophils
  - Swelling of tissues when proteins and water from blood enter tissues is \_\_\_\_\_  
 A. Pain    B. Irritation    **C. Edema**
  - In \_\_\_\_\_ the new cells are of the same type as those that were destroyed.  
 A. Replacement    **B. Regeneration**    C. Permanent
  - In \_\_\_\_\_, a new type of tissue develops that eventually causes scar production.  
 A. **Replacement**    B. Regeneration    C. Permanent
  - \_\_\_\_\_ is the result of direct damage, edema, stimulating nerve cell endings.  
 A. **Pain**    B. Redness    C. Swelling