

Histology Homework #2

Directions: Answer all components of each question completely. Then, attach this assignment or write in complete sentences into page 25 of your ISN. Review your answers because they could appear on your next quiz!

Vocabulary

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|------------|-------------------------|
| 1. chondr- | 5. necrosis |
| 2. clast | 6. Extracellular Matrix |
| 3. plasm | 7. neoplasm |
| 4. benign | 8. Malignant |

Questions:

1. While studying, Jeffrey kept playing with his ear and noticed that it always snapped right back into position each time. He had his Anatomy book handy and researched his answer. Explain the answer that Jeffrey should have come across in his reading.
2. Ryan tripped and tore one of the tendons surrounding his ankle. In anguish with pain, he asked his doctor how quickly he could expect to heal. What do you think the doctor's response was and why?
3. Jane crashed on her mountain bike and slammed her shoulder into a boulder on the side of the trail. Later that day, she noticed some inflammation, swelling and fluid build-up in her shoulder. Which connective tissue was most affected by this incident? Explain your reasoning.
4. Heather's friends were worried about her. They noticed that she was always cold and frequently had goose bumps even on warmer days. Her friends also noticed that her body had grown fine hairs on her skin, and that she usually lacked the energy to run like she used to in the past. As an anatomy student studying connective tissues, what is most likely the cause of Heather's symptoms? Explain.