**Station 1:** Draw and complete the table below on your own paper. Be sure to draw the tissue types.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Squamous | Cuboidal | Columnar | Other |
| Simple |  |  |  |  |
| Stratified |  |  |  |  |

**Station 2:** Write the questions and answer them on your own paper.

1. Write a grammatically correct sentence to describe the difference between simple and stratified epithelial tissue.
2. What two characteristics are used to classify epithelial tissue?
3. Name the specific type of epithelial being described:
   1. A tissue consists of multiple layers of cells, the top layer of which is composed of columnar cells.
   2. Write your own description and answer.

**Station 3**: Draw and complete the table below on your own paper. Be sure to draw the proper tissue types.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Loose Connective Tissue** | | | **Dense Connective Tissue** | | |
| **Areolar** | **Adipose** | **Reticular** | **Regular** | **Irregular** | **Elastic** |
|  |  |  |  |  |  |

**Station 4**: Write and answer the questions on your own paper.

1. What four functions do connective tissues perform in the body?
2. Identify the five major classes of connective tissue.
3. What is the difference between loose connective tissue and dense connective tissue?
4. What is the function of chondroblasts?

**Station 5**: Write the questions and answer on your own paper.

1. Assume that you are looking at the cell cultures from the lining of the stomach, the wall of the heart, and a leg muscle, but the slides are not labeled. How can you identify each cell structure?
2. Explain why connective tissue is better suited than epithelial tissue for constructing cartilage.
3. Identify three types of cartilage and draw them.

**Station 6**: Draw and complete the table below on your own paper.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Skeletal | Smooth | Cardiac |
| Sketch |  |  |  |
| Shape of Cell |  |  |  |
| Location of nucleus |  |  |  |
| Presence of Striations |  |  |  |
| Location in the body |  |  |  |
| Voluntary/Involuntary? |  |  |  |