**Levels of Organization in the Body**

**The students should organize the following terms (levels of organization in the body) in order from smallest to largest.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CELL** | **TISSUE** | **ORGAN** | **SYSTEM** | **ORGANISMAL LEVEL** |

**Now, the students will determine where each of the following terms should be categorized in the levels of organization in the body, and will put them in order from smallest to largest.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **White Blood Cell** | **Red Blood Cell** | **Fat** **Tissue** | **Liver****Tissue** | **Muscle****Tissue** |
| **Heart** | **Lung** | **Respiratory System** | **Nervous****System** | **Body of the Animal** |

**Finally, the students will determine where each of the following terms should be categorized in the levels of organization in the body. They will likely need to research the definition of these words to determine where their place would be in the flow chart. Once they have determined their place, they will put all of the terms in order from smallest to largest.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Lymphocyte** | **Erythrocyte** | **Leukocyte** | **Neutrophil** | **Platelet** |
| **Glandular Epithelial** | **Simple Squamous** | **Adipose** | **Cardiac** **Muscle** | **Neuroglia**  |
| **Skin** | **Kidney** | **Pancreas** | **Seminal Vesicle** | **Achilles Tendon** |
| **Skeletal**  | **Muscular** | **Endocrine** | **Reproductive** | **Excretory** |
| **Macropus giganteus** | **Loxodonta africana** | **Mus****musculus** | **Gallus****domesticus** | **Pylodictis olivaris** |