Organ Systems Graphic Organizer

**Directions:**  Observe the organs, models, or pictures and draw the organ and tissue levels. Provide as much detail as possible, using the organ system cards your teacher has provided you as well as any other resources that may help you (textbook, internet resources).

**Station #1 Station #2** **Nerve cell Tissue Organ Nervous System**

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| --- | --- | --- | --- |
| Neuron.png |  |  | Nervous system.jpg |

**Function**

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| --- | --- | --- | --- |
| The nerve cell is a subsystem of the cerebellum (nervous tissue). **What is the function of the cell?** | The nervous tissue is a subsystem of the brain. **What is the function of this tissue?**  | The brain is a subsystem of the nervous system. **What is the function of this organ?** | **What is the function of this organ system?**  |

**Station #3 Station #4**

**Cell Tissue Organ Musculoskeletal System**

|  |  |  |  |
| --- | --- | --- | --- |
| skeletal muscle.jpgmuscle cell.jpg |  |  | Nervous system.jpg |

**Function**

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| --- | --- | --- | --- |
| Muscle Cell - subsystem of the muscle tissue. **What is the function of this cell?**  | Skeletal Muscle Tissue - subsystem of the muscle. **What is the function of this tissue?**  | Gastrocnemius muscle - subsystem of the musculoskeletal system. **What is the function of this organ?** | **What is the function of this organ system?** |

**Organ Systems Analysis**

1. How do the organ systems differ from each other? Why do you think they look different? Be specific in your responses.

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1. How do the organs differ from each other? Why do you think they look different?

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1. How do the tissues differ from each other? Why do you think they look different?

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1. How do the cells differ from each other? Why do you think they look different?

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