**ORGAN SYSTEMS OF THE BODY**

**FOLDABLE REQUIREMENTS**

1. Show the components for at least 5 different organ systems

(1 system on each of the inner pages)

**You must include:**

\*Nervous System

\*Circulatory System

\*Respiratory System

\*Skeletal **or** Muscular System

\***Extra Credit:** 1 more system of your choice (can choose from: Integumentary, Endocrine, Lymphatic, Digestive, Reproductive, or Urinary)

1. The front cover must include a diagram showing the relative location of at least 5 organ systems.
2. Each system must have **at least** 2 pictures as part of the description.
3. You must have a reference page on the back of your foldable with at least 3 separate references.

**Individual System Requirements**

\*Nervous System

1. Main Function of the Nervous System
2. How does the Nervous System help the body maintain homeostasis?
3. What are the main organs of the Nervous System
4. How does the structure (shape) of a nerve cell (neuron) relate to its function (job)?
5. Define: Axon, Central Nervous System, Peripheral Nervous System
6. Describe a Disease that affects the Nervous System and explain how it affects the system

\*Circulatory System

1. Main Function of the Circulatory System
2. How does the Circulatory System help the body maintain homeostasis?
3. What are the main organs of the Circulatory System
4. How does the structure (shape) of the heart relate to its function (job)?
5. Describe the direction of blood flow through the heart.
6. Define: Artery, Vein, Capillary
7. Describe a Disease that affects the Circulatory System and explain how it affects the system

\*Respiratory System

1. Main Function of the Respiratory System
2. How does the Respiratory System help the body maintain homeostasis?
3. What are the main organs of the Respiratory System
4. How does the structure (shape) of the lungs relate to its function (job)?
5. Explain The function of the diaphragm in breathing
6. Define: Bronchi, Alveoli
7. Describe a Disease that affects the Respiratory System and explain how it affects the system

\*Skeletal System

1. Main Function of the Skeletal System
2. How does the Skeletal System help the body maintain homeostasis?
3. What are the main organs of the Skeletal System
4. How does the structure (shape) of a human skeleton relate to its function (job)?
5. Describe each of the following joints and give an example of each: ball & socket, hinge, pivot, and sliding
6. Define: Ligaments, Bone Marrow, Cartilage
7. Describe a Disease that affects the Skeletal System and explain how it affects the system

\*Muscular System

1. Main Function of the Muscular System
2. How does the Muscular System help the body maintain homeostasis?
3. What are the main organs of the Muscular System
4. How does the structure (shape) of a muscle fiber relate to its function (job)?
5. Define: Cardiac Muscle, Smooth Muscle, Skeletal Muscle, Tendon, Voluntary Muscle, Involuntary Muscle
6. Describe a Disease that affects the Muscular System and explain how it affects the system

\*Extra Credit Systems – See Mrs. Stant for the requirements of each additional system.

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| **Requirement** | **Points Possible** | **Grade Yourself** | **Teacher’s Grade** |
| Front Cover that includes a diagram showing location of 5 systems | 4 |  |  |
| **For each system** |  |  |  |
| 2 pictures | 4 |  |  |
| Main function of system | 4 |  |  |
| Role of system in maintaining homeostasis | 4 |  |  |
| Main organs | 4 |  |  |
| Structure and function of 1 organ | 4 |  |  |
| Explain specified process | 4 |  |  |
| Vocabulary definitions | 4 |  |  |
| Disease | 4 |  |  |
| Reference page with at least 3 references | 3 |  |  |
| Foldable is neat and your best work | 6 |  |  |
| **Total** | **45 pts** |  |  |
| **Extra Credit (up to 5 pts)** |  |  |  |