Hierarchical Organization Guided Notes

**CELLS**:

The smallest \_\_\_\_\_\_\_\_\_\_\_\_\_\_ part of your body

Cells make up all living things. Some living things are only \_\_\_\_\_\_\_\_ cell (Amoeba, paramecium, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

In animals (including humans), we have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cells, meaning they perform certain \_\_\_\_\_\_\_\_\_\_\_\_\_\_: example, \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ cells carry oxygen from our \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to all parts of our \_\_\_\_\_\_\_\_\_\_\_\_.

**TISSUES**:

A group of similar \_\_\_\_\_\_\_\_\_\_\_\_ that work together to perform a particular \_\_\_\_\_\_\_\_. Four types of tissue:

* **Epithelial**: covers \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ surfaces of your body. Includes \_\_\_\_\_\_\_\_\_\_\_\_ and the lining of our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* **Nerve:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ system between \_\_\_\_\_\_\_\_\_\_\_\_ and parts of our body.
* **Muscle**: movement; throwing a ball is \_\_\_\_\_\_\_\_\_\_\_\_ movement; your stomach \_\_\_\_\_\_\_\_\_\_\_\_\_ a meal is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (no control); your heart \_\_\_\_\_\_\_\_ is another example.
* **Connective**: holds parts of the body \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Provides support, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, strength, padding, and \_\_\_\_\_\_\_\_\_\_\_\_\_. Includes \_\_\_\_\_\_\_\_\_ and ligaments that hold our \_\_\_\_\_\_\_\_\_\_\_\_ together. Bone is also a \_\_\_\_\_\_\_\_\_\_\_ tissue- it supports and protects the \_\_\_\_\_\_\_\_\_\_\_ parts of our body

**ORGANS**: An organ is a group of \_\_\_\_\_\_\_\_\_\_\_\_ that work together to carry out a \_\_\_\_\_\_\_\_\_\_\_\_ in the body.

An organ’s \_\_\_\_\_\_\_\_\_\_\_\_\_ relates to its \_\_\_\_\_\_\_\_\_\_\_\_: the \_\_\_\_\_\_\_\_ is muscular, allowing it to function as a \_\_\_\_\_\_\_\_\_; the stomach is bag shaped with strong \_\_\_\_\_\_\_\_ walls to help it \_\_\_\_\_\_\_\_\_\_ our food.

**ORGAN SYSTEM**:

Group of \_\_\_\_\_\_\_\_\_\_ that work together to perform a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that helps the body meet its needs for \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

These systems include: skeletal, muscular, respiratory, circulatory, \_\_\_\_\_\_\_\_\_\_, nervous, endocrine, urinary, \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and reproductive

**Homeostasis: the ability of your body to \_\_\_\_\_\_\_\_\_\_\_\_ internal conditions; \_\_\_\_\_\_\_\_\_\_\_\_, amount of \_\_\_\_\_\_\_\_\_\_\_ in the blood, and even your posture.**

**ORGANISM:**

All these organ systems work together to make up an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!!