Body Systems Questions/Study Guide

Skeletal and Muscular

1. What are three main parts of the skeletal system? Bones, tendons, and ligaments
2. What are the TWO jobs of the skeletal system? To protect and provide a solid framework for the organism
3. Which system provides the power to produce movement in your body? Muscular system
4. In order to produce movement, muscles must \_\_\_\_contract\_\_\_\_\_\_\_, or pulling on the bone it is attached to, and \_\_\_\_relax\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Digestive and Excretory

1. Why must food be broken down into nutrients by the digestive system? In order for the organs, tissues, and cells to use the food we eats, it must first be broken down
2. Create a flow map and order SIX organs of the digestion process.

Mouth->Esophagus->Stomach->Small intestine (acids mix that come from pancreas and liver)->Large intestine (waste ONLY) **OR** Blood vessels

1. What are three other wastes (aside from undigested food) that the body produces and the excretory system removes? Excess water, salt, and carbon dioxide
2. What is the job of the kidneys? Remove waste from the blood

Respiratory and Circulatory

1. What TWO things do the respiratory and circulatory system bring to the cells in our body? Oxygen and nutrients
2. What makes up the respiratory system? Lungs and passageways; alveoli and bronchi
3. What makes up the circulatory system? Heart and blood vessels
4. Complete flow map of circulation and respiration. Oxygen-poor blood goes to the heart ->Oxygen-poor blood is pumped into lungs to gain oxygen ->In the lungs the blood drops the carbon dioxide to be removed from the body and collects oxygen ->Oxygen-rich blood moves from the heart to the rest of the body

Nervous and Endocrine

1. What are the main parts of the nervous system? The brain and nerve cord
2. What is the job of hormones? Name one example. Hormones change the body’s activity. For example adrenaline can be released into your blood stream to allow you to respond quickly when in danger