

1. What is the most basic unit of all living things?

Cells

2. List the organization of living things from smallest to largest.

Cell -> Tissue-> Organ -> Organ System -> Organism

3. What is the function of the digestive system?

Your digestive system is all about getting food into your body, digesting the food, absorbing the nutrients you need, and elimination of the materials you don't need (feces). All animals have one sort of digestive system or another.

4. List the major organs of the digestive system.

mouth, esophagus, stomach, small intestine, large intestine

5. What is the major connection between the excretory and digestive systems?

The digestive system works in parallel with your excretory system (kidneys and urination). While the digestive system collects and removes undigested solids, the excretory system filters waste materials from the blood stream and collects them in urine. They are closely connected in controlling the amount of water in your body.

6. What is the function of the skeletal system?

Protection and support, works very closely with the muscular system to help you move. Without the bones of your skeleton, you would be a blob of water-filled tissues. The bones create a framework to which your muscles and organs can connect. Your skeleton also plays a role in protection, especially in your head. The bones of your skull protect your brain. Your ribs protect most of your internal organs from impact as well.



7. List the major organs of the skeletal system.

The skeletal system includes all of the bones and joints in the body. The skeletal system in an adult body is made up of 206 individual bones. Each bone is a complex living organ that is made up of many cells, protein fibers, and minerals.

8. What are the major type of joints?

gliding, hinge, ball-and-socket, pivot, immovable

9. How is the skeletal system closely tied with the circulatory system?

The larger bones of your skeleton also work with the circulatory system. Both red blood cells and white blood cells are created in your bones.

10. What is the function of the muscular system?

The main purpose of the muscles found in your body is movement: from the movement of your legs while you walk, to the beating of your heart, to the contraction of a very small blood vessel in your brain. You have no control over most of the muscular system. You do control the voluntary muscle in your arms, legs, neck, and torso. You have little or no control over the heart or smooth muscle.

11. What are the three types of muscle tissue?

smooth, cardiac, skeletal (sometimes called voluntary)

12. How do the three types of muscle tissue differ in function?

skeletal muscle is for voluntary movement, cardiac (heart muscle) and smooth (such as in digestion) are both for involuntary movement (Smooth muscle also surrounds your circulatory



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Annelies Wilder-Smith



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