

Name \_\_\_\_\_

## Levels of Organization

### Cells: Level One

Within a multicellular organism there is a \_\_\_\_\_.

Division of labor means that the work of keeping the organism alive is divided among the different parts of the body. Each part has a \_\_\_\_\_ job to do.

The arrangement of specialized parts within a living this is sometimes referred to as \_\_\_\_\_. Cells of course, are the \_\_\_\_\_ level of organization.

### Tissues: Level Two

In any multicellular organism, \_\_\_\_\_ rarely work alone. Cells that are \_\_\_\_\_ in structure and function are usually joined together to form \_\_\_\_\_. Tissues are the \_\_\_\_\_ level of organization.

Bone cells in your body form bone tissue. Blood cells in your body form blood tissue.

### Organs: Level Three

Tissues are further organized into \_\_\_\_\_, the \_\_\_\_\_ level of organization in living things. Organs are groups of different tissues that work together. Your heart, for example, is made up of \_\_\_\_\_ tissue, \_\_\_\_\_ tissue, and \_\_\_\_\_ tissue. You are probably familiar with the names of many of the body organs. The brain, \_\_\_\_\_, kidneys, and \_\_\_\_\_ are some examples.

### Organ Systems: Level Four

Like cells and tissues, organs seldom work \_\_\_\_\_. They “cooperate” with one another and form specific \_\_\_\_\_. Organ systems are the \_\_\_\_\_ level of organization in living things. An organ system is a \_\_\_\_\_ of organs working together to perform a specific function for the organism. An example would be your digestive system. It is made up of several organs such as your esophagus, stomach, and intestines.

### Organisms: Level Five

\_\_\_\_\_ are an organism. Dogs, trees and buttercups are also organisms. Even a unicellular (one celled) bacterium is an organism. An organism is an entire \_\_\_\_\_ that carries out all the basic life functions. The organism is the \_\_\_\_\_ level of organization.

\_\_\_\_\_ → tissues → organs → \_\_\_\_\_ → \_\_\_\_\_ --  
each level of organization interacts with every other level. The smooth functioning of a complex \_\_\_\_\_ is the result of all its various parts \_\_\_\_\_ together.