

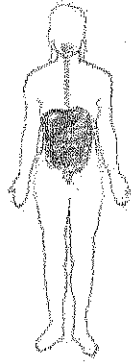
Organs Working Together Form Systems

Just as tissues working together form organs, organs working together form **organ systems**. The organs in an organ system interact with each other to perform a common task. Figure 1.17 shows the different organ systems in the human body and their basic functions.

organ system: a group of organs that interact with each other to perform a common task



- Circulatory System**
- transports blood, nutrients, gases, and wastes
 - helps to control temperature, fluid balance, and acidity



- Digestive System**
- takes in and breaks down food
 - absorbs nutrients
 - rids the body of solid waste



- Respiratory System**
- controls breathing
 - delivers oxygen to the blood and removes carbon dioxide from the blood



- Excretory System**
- eliminates liquid waste from the body
 - helps to control fluid balance and acidity



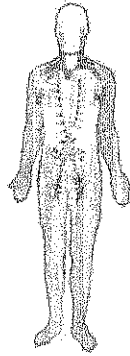
- Muscular System**
- moves body parts (such as arms) and organs (such as the stomach)
 - maintains posture



- Skeletal System**
- provides a framework for muscles to attach to
 - protects the soft organs
 - makes blood cells
 - stores minerals, such as calcium



- Nervous System**
- gathers and interprets sensory information from outside and inside the body
 - coordinates all the functions of the organ systems



- Immune System**
- defends the body against infections