


## Working Together

Your body's 11 major organ systems, shown in **Figure 3**, work together to maintain homeostasis. For example, the cardiovascular system, which includes the heart, blood, and blood vessels, works with the respiratory system, which includes the lungs. The cardiovascular system picks up oxygen from the lungs and carries the oxygen to cells in the body. These cells produce carbon dioxide, which the cardiovascular system returns to the respiratory system. The respiratory system expels the carbon dioxide.

 **Standards Check** Give an example of how organ systems work together in the body. **57L2.c**

**Figure 3** Organ Systems



**Integumentary System**  
Your skin, hair, and nails protect the tissue that lies beneath them.



**Muscular System** Your muscular system works with the skeletal system to help you move.



**Skeletal System** Your bones provide a frame to support and protect your body parts.



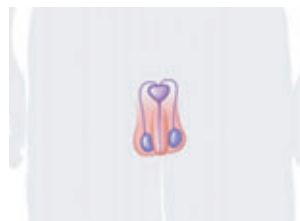
**Cardiovascular System**  
Your heart pumps blood through all of your blood vessels.



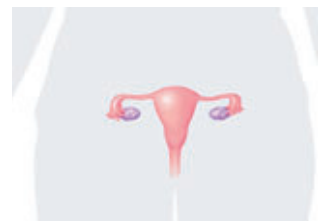
**Respiratory System**  
Your lungs absorb oxygen and release carbon dioxide.



**Urinary System** Your urinary system removes wastes from the blood and regulates your body's fluids.



**Male Reproductive System** The male reproductive system produces and delivers sperm.



**Female Reproductive System** The female reproductive system produces eggs and nourishes and protects the fetus.