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1. Atoms are a \_\_\_\_\_ unit of the body.
2. \_\_\_\_\_ is the smallest unit of life.
3. From the simplest to the most complex: Cells are grouped into \_\_\_\_\_, tissues come together to form \_\_\_\_\_, organs cooperate as a part of organ systems, and multiple organ systems make up an \_\_\_\_\_.
4. List 6 of the life processes that organisms perform:
  - a.
  - b.
  - c.
  - d.
  - e.
  - f.

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5. Organs: made of tissues with similar \_\_\_\_\_ and \_\_\_\_\_.  
Example of an organ: \_\_\_\_\_
6. Organ systems: consists of two or more organs working together to perform a \_\_\_\_\_ for the organism.
  - a. The circulatory system moves \_\_\_\_\_ and \_\_\_\_\_ throughout the body.
  - b. The digestive systems takes in \_\_\_\_\_ and eliminates some waste.

- c. The \_\_\_\_\_ system provides oxygen to the body and removes carbon dioxide.
- d. The nervous system senses the environment and \_\_\_\_\_ to it.
- e. \_\_\_\_\_ and \_\_\_\_\_ are part of the skeletal system.
- f. \_\_\_\_\_ is the muscular system's main task.

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7. Suppose one organ in an organ system failed to work properly. How would the organ system be affected? Would it still be able to function? Explain your reasoning.
  
  
  
  
  
  
  
  
  
  
8. Give an example of an organ that works with more than one system. What does it do for each system?
  
  
  
  
  
  
  
  
  
  
9. MRI, or \_\_\_\_\_, is a procedure used by doctors to help diagnose organ or organ system diseases.
  - a. The procedure uses \_\_\_\_\_ and \_\_\_\_\_ signals to generate images of the inside of the body.
  - b. MRI machines are able to create three dimensional images of the human body because the coils create a \_\_\_\_\_ encircling the entire body.