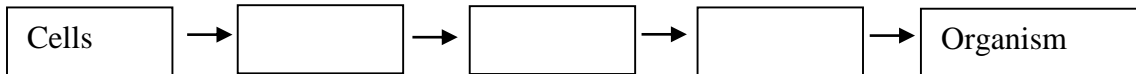


1. Complete the flow chart showing the levels of organization from **smallest to largest**:



2. **Complete the blank spaces on the chart for the functions and major components of each system.**

**Systems:** Circulatory, Nervous, Muscular, Skeletal, Endocrine, Digestive, Respiratory, Excretory/Urinary,

System	Function	Major Organs/Components
	Plays a major role in gas exchange	<b>Lungs, Bronchi, Alveoli</b>
Muscular		Muscles
	Transports gasses and nutrients	
	Supports the body and gives structure, also produces blood cells	Bones
	Regulates hormones which control mood, growth, development, etc.	
Excretory/Urinary		<b>Kidneys</b>
	Mechanical and chemical breakdown of food	
	Senses changes in the environment and coordinates your body's responses	

3. You step on a tack and then automatically jerk your foot away. Then you decide to pick up the tack and place it where it goes in a drawer. What systems are you using to complete these tasks?

4. You run in a 5K to help raise money for cancer research. The race takes you 28 minutes to run. At the end of the race your heart is racing and you are breathing heavily. 30 minutes after the race your heart rate (pulse) and breathing are back to normal. What systems are at work and what are they doing?

5. Choose two body systems that work together. Explain how they work together.

## Plant Systems Review

### Plant Systems

#### Root

7. What are the functions of the root?

#### Stem

8. What are the functions of the stem?

9. Explain the function of **xylem & phloem**.

#### Leaves

10. What are the functions of the leaf?

11. What is the function of the **stomata**?

#### Flowers

12. What is the function of the flower?

#### Comparisons

13. What part of the plant could you compare to the respiratory system in animals?

14. What system in animals has a similar job to the xylem and phloem in plants?