

# Structure and Function in Living Systems

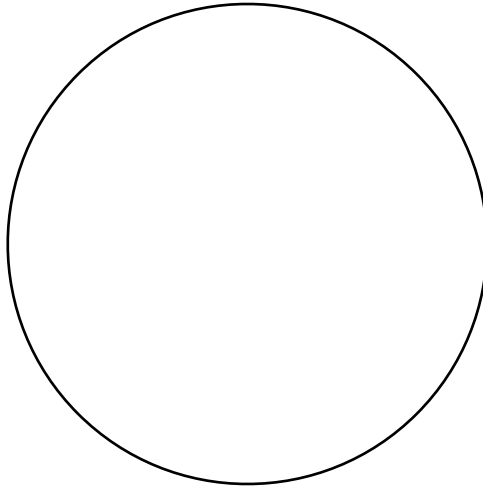
Name: \_\_\_\_\_

## Involuntary Muscle Cells

Period: \_\_\_\_\_

Use the slide strip #10 and a plastic microscope for this. Use colored pencils to make a drawing in the circle of what you see. Then, answer the questions using what you observed and information from the paragraph below.

Circle #6 shows cells found in involuntary muscle. The cells are from a piece of the wall of a stomach. When you draw, do NOT draw the letters and lines you see on the photo!



1. Muscles are made of cells working together. What does this make muscles? [p.467]

Muscles are... \_\_\_\_\_

2. How many types of tissue are found in a stomach? [p.468] \_\_\_\_\_

3. List the types of tissue found in a stomach [p.468] \_\_\_\_\_

4. A stomach is made of tissues working together. What does this make a stomach? [p.468]

A stomach is an... \_\_\_\_\_

5. Does muscle tissue perform all of the functions of a stomach? [p.468] \_\_\_\_\_

6. Would the muscles shown be voluntary or involuntary? [p.476] \_\_\_\_\_

7. The A points to a single cell. How does the size of this cell compare to the size of the voluntary muscle cell? The involuntary muscle cell is \_\_\_\_\_ than the voluntary muscle cell.

8. What is the job of muscle cells in the stomach? [p.468]

9. What organ system does your stomach belong to? [p.469]

My stomach is part of the \_\_\_\_\_ system .

10. Write the term **muscle cell** outside of the circle, and draw a line from the term to part of your drawing so it touches that part in the drawing.