

# Amoeba Sisters | Video Recap

NAME: \_\_\_\_\_

## Amoeba Sisters Video Select Recap: *Specialized Cells*

**Directions:** Go to: <https://tinyurl.com/specializedcellsvideo>, watch the video and fill out this form, then take your quiz.

1. In your own words, what does it mean for a cell to be specialized?

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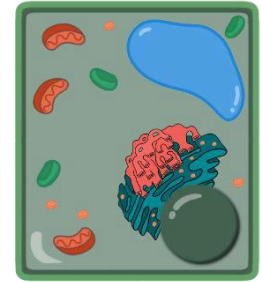
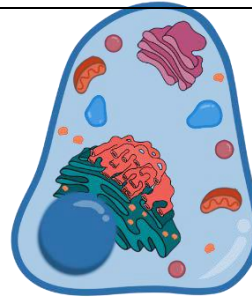
2. When learning about cells, many times in diagrams you will see **plant cells** drawn in a rectangular shape and **animal cells** drawn in a circular shape. However, it is important to remember that these cells can have a variety of shapes to fit their function. From the video, describe a specialized plant or animal cell shape that relates to its function.

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3. There are so many specialized cells in the human body. Compare and contrast the structure and function of a **red blood cell (erythrocyte)** with a **white blood cell**.

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Different types of muscle cells can have different structures and functions. Fill in the information below describing the characteristics of three muscle cell types.

4. **Smooth Muscle** Structure Description:

5. **Smooth Muscle** can line the \_\_\_\_\_, for example. It can line many organs and structures.

6. **Skeletal Muscle** Structure Description:

7. **Skeletal Muscle** can connect to \_\_\_\_\_, for example. It is involved in the movement of arms and legs.

8. **Cardiac Muscle** Structure Description:

9. **Cardiac Muscle** is found in the \_\_\_\_\_ and it is involved with the contractions of the heart.



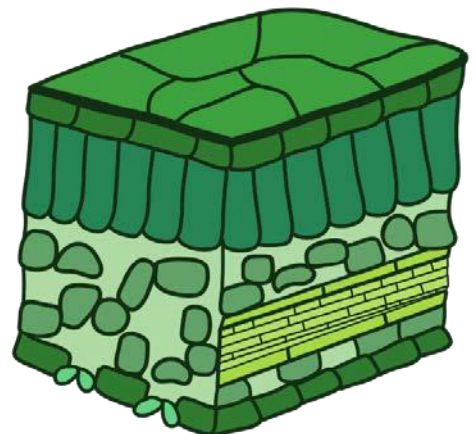


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## Tour of the Cross Section of a Leaf

10. There are so many specialized cells found in the cross section of a leaf! Your friend's seven-year-old sister asks about what you are studying when she sees the picture below of the cross section of the leaf. Label the cross section of the leaf below (in the white space beside it) and write her a tour of the structures and functions of the various cells. Remember, she has not likely taken an advanced science course (yet)!



Amoeba Sisters LLC

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