

Specialized Cells

1. Your first task is to watch six animations to see each of the specialized cells in continuous action. To do this, click on the picture of a cell. Then click on the button that says "Entire Animation." Repeat this for the other five cells.

Next, watch each step-through animation at your own pace using the step-through buttons.

As you watch the step-through version, discuss with your partner each specialized cell. In the space below describe:

- a. what you see. For example, describe the structures and organelles you notice in the cell and what they appear to be doing (Note: not all of the basic structures and organelles are shown.)
- b. the overall function of the cell.

Animation #1

- a. _____

- b. _____

Animation #2

- a. _____

- b. _____

Animation #3

- a. _____

- b. _____

Animation #4

- a. _____

- b. _____

Animation #5

- a. _____

- b. _____

Animation #6

- a. _____

- b. _____

(continued on next page)

Specialized Cells (continued)

2. Watch the step-through version of each animation a second time to learn more details about the cell's structures and functions. Complete the chart below.

<i>Name of specialized cell</i>	<i>Structures and functions of cell type</i>

3. Record which cell type you matched to each animation number below. Explain your reasoning for the match.

<i>Animation number</i>	<i>Name of specialized cell</i>	<i>Reasoning</i>

4. Check your matches in the animation. Record on the chart any changes to your matches.