

**Part A: “Interactive Cell Models-Animals”**

→ On the home page, [www.cellsalive.com](http://www.cellsalive.com), scroll down and click on “plant/animal” under the “Interactive Cell Models” image. Once there, click on the red “start the animation” button.

Select “animal cell”, you will need to “click” on the organelles and parts of the cell to find the information about those parts. *Answers to the questions are in the reading.*

<ol style="list-style-type: none"><li>1. What is the function of the mitochondrion?</li> <li>2. How big are mitochondria?</li> <li>3. What does the Golgi do?</li> <li>4. What is the difference between the Smooth and Rough Endoplasmic Reticulum? (<i>DO NOT PUT ONE IS SMOOTH AND ONE IS ROUGH</i>)</li> <li>5. Where is the nucleolus found?</li> <li>6. What does the nucleus do?</li> <li>7. What does the endoplasmic reticulum do?</li> <li>8. What 2 organelles are in a plant cell, but not an animal cell?</li> <li>9. What is the function of ribosomes?</li> <li>10. What is the function of the lysosome?</li></ol>	<p>Sketch each of the following:</p> <table border="1"><tr><td data-bbox="1029 558 1611 835">Mitochondria:</td></tr><tr><td data-bbox="1029 835 1611 1115">Lysosome:</td></tr><tr><td data-bbox="1029 1115 1611 1434">Golgi Apparatus:</td></tr><tr><td data-bbox="1029 1434 1611 1713">Rough Endoplasmic Reticulum:</td></tr></table>	Mitochondria:	Lysosome:	Golgi Apparatus:	Rough Endoplasmic Reticulum:
Mitochondria:					
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**Part B: “Interactive Cell Models-Plants”**

→ On the home page, [www.cellsalive.com](http://www.cellsalive.com), scroll down and click on “plant/animal” under the “Interactive Cell Models” image. Once there, click on the red “start the animation” button. Select “plant cell”, you will need to “click” on the organelles and parts of the cell to find the information about those parts. Answers to the questions are in the reading.

1. What other type of cell, besides plant, has a cell wall?

2. What makes the plant cells green?

3. In plant cells, what does the vacuole do?

4. Name 3 parts found in a plant cell that are also found in an animal cell.

Sketch the following:

Chloroplast:

Vacuole: