

# Virtual Cell

Worksheet

Name \_\_\_\_\_  
Date \_\_\_\_\_

You should explore the following organelles within "The Virtual Cell": Please check them off as you go.

**I. Click on the "Virtual Cell Tour" and answer the following questions:**

Organelle	Structure	Function
Mitochondria		
Centrioles		
Smooth Endoplasmic Reticum		
Rough Endoplasmic Reticum		
Lysosome		
Golgi Body		
Nucleus		
Chloroplast		

- Describe the process in which proteins are packaged by the golgi body.  
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- What is autolysis?  
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- Describe the outer and inner structure of mitochondria.  
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- Why is the inner membrane of mitochondria ruffled?  
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- Describe the arrangement of microtubules that compose the centrioles. (Hint: look carefully at the image)  
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