## Organisms, Cell

## Theory, and Organelles Study Guide

Use this study guide to prepare for your Unit 1 exam. You may use your notes to help you complete this guide. Keep in mind that for your test, you will need to prove your understanding of the following:

- 1. What makes an object an organism?
- 2. Name the six traits that all living things must have.
- 3. Recognize whether objects are living or nonliving.
- 4. Summarize the three parts of the cell theory and their developers.
- 5. Describe the functions of each cell organelle.
  - a. cell membrane, nucleus and nucleolus, cytoplasm, mitochondria, endoplasmic reticulum (smooth and rough), ribosome, lysosome, vacuole, chloroplast, cell wall, golgi body, centrioles
- 6. Label the parts of a cell.
- 7. Compare and contrast plant cells with animal cells.

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1. What is a	n organism?		
2. All living t	hings must have these six tr	raits	
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b			
C			
d			
e			
f			

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f.	Rudolf Virchow
g.	Robert Remak*
6. a: V	Vhat is an organelle?
6. b: D	Describe the functions of the following organelles:
c. Cell	membrane-
D. Cyt	oplasm
E. Nuc	cleus-
F. Nuc	cleolus
G. Mite	ochondria-
——— Н. Епс	doplasmic reticulum
I. Ribo	osome-
J. Lys	osome
K. Vac	cuole -
L. Chlo	oroplast-

N. Golgi body-		
O. Centrioles-		

7. Using the Venn Diagram, compare and contrast plant and animal cells.

