

Name: _____ Date: _____ Period: _____

Biology Cell Biology-Standards Based Worksheet – Chapter 7. Pages 169-199.

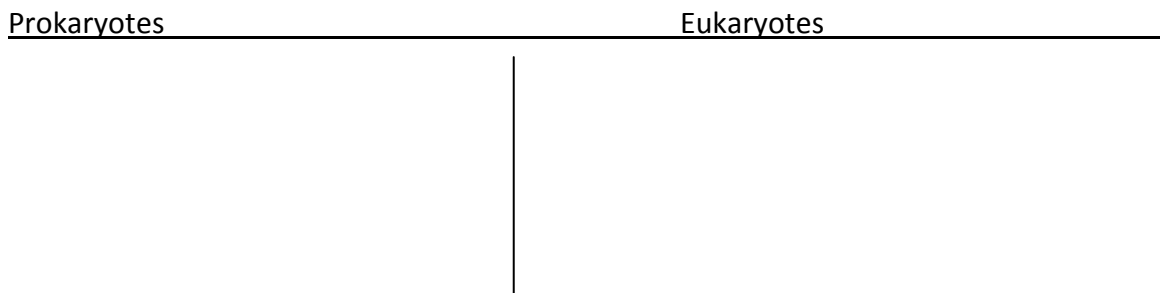
Answer the following standards-based questions in the space provided. You may attach additional paper if necessary.

1. List the three parts of the cell theory. (Page 169-170)

2. List the four cell structures that are common to most cells. Identify their function(s). (Page 171 and Unit Org.)

Cell Structure	Function

3. Compare at least three differences between prokaryotes and eukaryotes. (Page 172 and Notes)



4. What structures do plant cells contain that animal cells do not? (Pg. 174)

5. What are viruses? How do they survive? (Notes & Pg. 482)

6. Draw the cell membrane and label its three main parts. Identify the side that is hydrophilic and hydrophobic. Why is it considered semi-permeable?(Page 184)

7. Complete the following table of cell structures. Refer to the example. (Pg. 173-182)

Cell Structure/Organelle	What types of cells contain?	Function	Is similar to what?
Nucleus	Eukaryotes – plant and animal	Contains hereditary info Controls cell processes	Our brain
Cell Membrane			
Cell Wall			
Ribosomes			
Endoplasmic Reticulum			
Mitochondrion			
Golgi Apparatus			
Vacuoles			
Chloroplasts			

8. Identify the pathway of a protein from its start in the nucleus. Identify which part of protein synthesis occurs at each location. (Notes, Pg. 302-306)

1. Nucleus	

9. Compare the difference between the following forms of movement across the cell membrane: diffusion, osmosis, facilitated diffusion, and active transport. (Pg. 185-189)

Diffusion	
Osmosis	
Facilitated Diffusion	
Active Transport	

10. Complete the following Standardized Test Prep Questions on Page 199, #1-11.

P. 199 Answer	Reason or page number	P. 199 Answer	Reason or page number
1.		7.	
2.		8.	
3.		9.	
4.		10.	
5.		11.	
6.			