

Cell Structure and Function

Discovery of the Cell		
Describe the contributions of the listed scientists to the discovery of cells and/or the development of the Cell Theory		
Scientist	Date	Contribution
Robert Hooke		
Anton van Leeuwenhoek		
Matthias Schleiden		
Theodor Schwann		
Rudolf Virchow		

Cell Theory	
List the 3 parts of the Cell Theory	
1	
2	
3	

Name _____ Period _____ Date _____

Structural Organization of Cells	
Describe the 3 basic areas of the cell	
Cell Membrane	
Cytoplasm	
Cytoskeleton	

Prokaryotic and Eukaryotic Cells/ Plant and Animal Cells		
Describe the similarities and differences in prokaryotic and eukaryotic cells Draw a simple diagram of each illustrating the similarities and differences		
Prokaryotic		
Eukaryotic		
Plant		
Animal		

Name _____ Period _____ Date _____

Cell Structure and Function		
Describe the location and describe the function of the following cell parts.		
Cell Part	Location	Function
cell wall		
cell membrane		
nucleus		
chromosomes		
nucleolus		
nuclear membrane		
nuclear pores		
ribosome		
smooth endoplasmic reticulum (sER)		
rough endoplasmic reticulum (rER)		
golgi apparatus		
lysosome		
mitochondrion (a)		
chloroplast		
central vacuole		
cytoskeleton		
flagellum (a)		
cilium (a)		