

Grade 8
Unit A - Cells

Name: _____

Complete all questions and fully develop all of your answers.

#1. Create a comparison chart detailing the differences and similarities between Plant and Animal Cells. (12 marks)

#2. Using your own words, restate the Cell Theory and provide 5 examples of Living Things, and 5 examples of Non-Living Things. (15 marks)

#3. Define and give examples for the following terms: (8 marks)

- a) permeable
- b) selectively permeable
- c) diffusion
- d) osmosis

#4. Differentiate between unicellular and multicellular. Give examples of each. (4 marks)

#5. Complete the following chart: (6 marks)

Specialized Cells	Function
Skin Cells	
Muscle Cells	
Nerve and Brain Cells	
Eye Cells	
Blood Cells	
Fat Cells	

#6. The chart below deals with the issue of Tissues. Complete in detail: (8 marks)

Type of Tissue	Function (What It Does)	Where It Can Be Found
Connective Tissue		
Nervous Tissue		
Muscle Tissue		
Epithelial Tissue		

#7. Complete the following chart in regards to the Human Organ Systems. (24 marks)

Organ System	Diagram	Organs/Tissues	Function of Organ System
Skeletal System			
Muscular System			
Circulatory System			
Respiratory System			
Nervous System			
Digestive System			
Excretory System			
Reproductive System			

Grand Total: _____/87