

### **G8 Science: Class 3 Homework**

1. Define “unicellular organism” and “multicellular organism” and give an example of each.  
**[4 marks]**
  
  
  
  
  
  
  
  
  
  
2. What is the main difference between vertebrates and invertebrates? How do invertebrates maintain their structure and support? **[2 marks]**
  
  
  
  
  
  
  
  
  
  
3. What are the five groups into which all living things can be classified? **[5 marks]**
  
  
  
  
  
  
  
  
  
  
4. Explain how protists can be either plant-like or animal-like. **[2 marks]**
  
  
  
  
  
  
  
  
  
  
5. Draw a paramecium and label your diagram **[5 marks]**

6. In your own words, describe how an amoeba feeds. **[5 marks]**
7. Distinguish between locomotion and movement. How do unicellular organisms use these methods to respond to their environment? Provide one example for each. **[5 marks]**
8. Explain cell differentiation and give three examples of differentiated animal cells. **[4 marks]**
9. What four types of tissues are found in most organ systems? **[4 marks]**
10. Arrange the following according to increasing levels of organization: organ system, tissue, cell, organism, organ. **[5 marks]**

11. Provide the major function and the organs and structures involved for the organ systems below. **[10 marks]**

Organ System	Function	Organs and Structures Involved
Circulatory System		
Respiratory System		
Digestive System		
Musculoskeletal System		
Nervous System		

12. Why do scientists refer to blood as a tissue? **[2 marks]**

13. How have you benefited from the work of a fungus? **[3 marks]**