**Kingdom Animalia Assessment**

This end unit assessment is for you to communicate your understanding of what animals are, why they evolved their size and their multiple forms. Questions to you are posed on animals. Your answers should be a clear explanation with an example of the phenomenon being described. This is an open notebook assessment and discussion with classmates is encouraged. However, plagiarism is not acceptable, so each assessment shall reflect the person who is submitting it, not the collaboration that may have occurred.

The assessment shall answer the following questions (the value of each complete answer is given in brackets):

1. What is an animal? (3 marks)
2. What are the primary (2 marks) and secondary functions (4 marks) all animals must perform?
3. When did early animals appear in the fossil record and what were they like? (2 marks) What environmental conditions changed that allowed more complex organisms to evolve? (2 marks)
4. Explain what limits are imposed on animal size? (3 marks) Why would animals want to exceed those limits? (2 marks) What evolved to achieve that? (1 mark)
5. State three evolutionary developments that you consider important in animals? (3 marks) Why do you think these re important evolutionary developments”? (3 marks)
6. Animals evolved in water. What constraints did animal have to overcome to live on land? (3 marks)

The assessment needs to be readable for it to be evaluated. You may not have a chance for corrections, so try to answer the questions as well as you can the first time. I encourage peer review and editing as occurs in professional science writing. Ask me for any clarification. And, most important, take this as an opportunity to think about what our animal ancestors went through so you could be sitting in a room in a cleared temperate rainforest, writing on macerated tree products with a tool made from our compressed extinct answers, writing about your thoughts on their lives.