

MCC Biology  
Guided Reading Chapter 22

Name \_\_\_\_\_

1. What were the two major points of Darwin's publication "The Origin of Species"?
  
2. Define the following terms:
  - a. Natural selection
  
  - b. Evolutionary adaptation
  
  - c. Evolution
  
  - d. Taxonomy
  
3. Detail the impact/position/contribution to evolutionary theory and include a perspective of time in the following:
  - a. Aristotle
  
  - b. Linnaeus
  
  - c. Cuvier
  
  - d. Lyell
  
  - e. Lamarck
  
  - f. Malthus
  
  - g. Hutton
  
4. How does catastrophism relate to the ideas of gradualism?

5. How did the Voyage of the Beagle impact Darwin's research?
6. How did Alfred Wallace impact Darwin in his work?
7. What part did adaptation play in Darwin's thinking?
8. What did Darwin mean by descent with modification?
9. What did Mayr take from Darwin's work – summarize the observations and inferences.
10. How did the concept of artificial selection impact Darwin's ideas?
11. What three word phrase summarizes Darwin's mechanism of evolution?

