

Darwin: Internet Assignment on Natural Selection

This assignment will reinforce the concepts you learned in class about natural selection. You will be using an interactive site on the Internet to gather information to be used to complete the table provided and write a paragraph using Darwin's 5 ideas of natural selection. (10 marks)

1. Double click on Internet Explorer and in the address window type <http://www.pbs.org/wgbh/evolution/darwin/origin/index.html>
2. You will see a page called "An Origin Of Species". Double click on the blue arrow at the bottom of the page.
3. Read the Introduction then double click on the blue arrow.
4. You will then see a map that shows 4 different locations of "pollenpeepers"(a fictional bird): Mainland, Windsor Island, Norcross Island, and Warwick Island. At the bottom of the screen you will see a timeline.
5. For **each** of the 4 different locations, Double click on the name of the location to get into it. Then:
 - a) Make sure the timeline at the bottom is on 5mya.
 - b) Read the information under the headings of Competition and Habitat.
 - c) In the table provided:
 - Write down the name of the bird and note the bird's colour & beak and any changes that occur over time.
 - The number of different areas the birds can be found on the land mass (how many birds are shown).
 - The amount of each type of food available for the birds to eat (ex) 3 seeds, 1 insect, 0 flowers).
 - Whether the number of predators is low, medium or high.
 - d) Next, move the timeline to 4mya and fill in the table the same as you did for 8. b and c.
 - e) Continue to fill in the table for 3mya, 2mya, 1mya and present.
 - f) To return to the map of the 4 different locations, double click on "→Map" at the top of the page.
6. Your table should now be complete for all 4 locations.
7. For **one** of the 4 different locations, explain what was happening to the birds over time at that location in terms of the 5 main points of Darwin's theory of Evolution. Use examples from the web site.
8. When you finish, you may explore more of this site.

Table: Natural Selection Internet Assignment

Location	Time	Name of bird species (Note bird's beak & colouration)	Type Of Food Present			# of Predators Low, medium, or high.	#Of Areas Found
			# of seeds	# of insects	# of flowers		
Mainland	5mya						
	4mya						
	3mya						
	2mya						
	1mya						
	Present						
Warwick Archipelago	5mya						
	4mya						
	3mya						
	2mya						
	1mya						
	Present						
Windsor Island	5mya						
	4mya						
	3mya						
	2mya						
	1mya						
	Present						
Norcross Island	5mya						
	4mya						
	3mya						
	2mya						
	1mya						
	Present						