

Name: \_\_\_\_\_

**Biology**

**Evolution: Darwin's Dangerous Idea**

Movie link: <http://www.documentarywire.com/evolution-darwin%E2%80%99s-dangerous-idea/>

1. Darwin sailed on the HMS Beagle as a \_\_\_\_\_.
2. He understood that his ideas were truly \_\_\_\_\_.
3. Why did Darwin keep his ideas to himself for so long?
4. What species of bird did Darwin's "wrens" and "goshawks" turn out to be?
5. What caused Darwin's finches to differ from island to island?
6. What was Captain Fitzroy's theory as to why finch beaks varied?
7. Darwin postulated the theory that \_\_\_\_\_ species replaced those that became \_\_\_\_\_.
8. What was the common ancestor of all Darwin's finches?
9. Darwin's conclusion was that "\_\_\_\_\_ species could appear on earth"
10. Darwin compared ancestral lines to a \_\_\_\_\_.
11. Chris Schneider says that Darwin's basic idea is that living things are \_\_\_\_\_ to each other.
12. How many species of birds are there in Schneider's work?  
How many species of frogs?
13. Given enough time, according to the laws of nature, \_\_\_\_\_ can happen.
14. What was disguised as a leaf in the video?
15. What caused new habitats to develop in the Andes?
16. Why are hummingbirds particularly well suited to the Andean nights?
17. What determines the separation of species on the tree of life?
18. What tool do modern naturalists use to determine degree of relatedness that Darwin didn't have?
19. How many years ago did hummingbirds diverge from each other?
20. Darwin's view was that \_\_\_\_\_ accumulated over time.
21. Emma was Darwin's \_\_\_\_\_. He eventually married her.
22. Whose book on Commerce and Population inspired Darwin?
23. Darwin concluded that nature does not \_\_\_\_\_ around man.
24. How do minute differences get passed on?
25. Less fit organisms will \_\_\_\_\_.
26. Darwin called his theory \_\_\_\_\_.
27. Is it possible to see natural selection at work?  
In what organism?
28. How many new HIV viruses are generated each day in humans?
29. How long does it take HIV to replicate?
30. Natural selection thrives on \_\_\_\_\_.
31. Why did the wild type HIV come back in the case from Goethe University?
32. What did Darwin notice in the skeletons he viewed?  
What did he think this represented?