Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_\_

**NOVA- What Darwin Never Knew**

1. What was the name of the book where Darwin wrote about the theory of evolution?
2. What big questions was Darwin NOT able to answer with his theory?
3. A single species gives rise to \_\_\_\_\_\_\_\_\_\_\_\_ species
4. When did Darwin’s interest in nature begin?
5. Describe Darwin’s childhood and college life.
6. Describe Darwin’s 5 year voyage on the Beagle. What did he see? What were some of his observations?
7. Why were Darwin’s ideas dangerous?
8. What is the connection between fossils and current living animals?
9. What did Darwin learn in studying the embryos of various animals?
10. What was Darwin’s BOLD concept called?
11. What pattern did Darwin see in the “war of nature”?
12. When Darwin finally published his document, why was is so controversial?
13. What do scientists study to support Darwin’s theory?
14. What are the names of the 4 molecules in DNA?
15. How does DNA change?
16. What mutation caused the pocket mouse to change its color? Why did it change to begin with?
17. What was so shocking about the number of genes found in humans?
18. Why did scientists need to start over and go back to studying embryos of various animals?
19. What is the name of the gene that codes for the black wings on the fly?
20. What does the non-coding area of DNA do?
21. What is the stickleback fish?
22. What did they find on their 4th trip?
23. What makes the human hand so special?
24. What is Stedman studying?