

**Extra Credit Reading**

*THE SEVEN DAUGHTERS OF EVE*

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

1. How was the Iceman so well preserved?
2. Why is the amplification of DNA necessary in “old” DNA?
3. Who is considered the father of genetics, and what did he do?
4. Of what are proteins composed, and how many of these “building blocks” are there?
5. Explain what “Rhsus baby syndrome” is, and how it was a problem in earlier times.
6. How is mitochondrial DNA passed from generation to generation?
7. Why were the Syrian hamsters a good place to start genetic research regarding lineage?
8. How did this set the precedent for finding the genealogy of the world?
9. Explain heteroplasmy.
10. Why is genetic research so favorable to do in the Pacific?
11. From where did the one sequence that didn’t match with any of the Polynesians originally come?
12. What is the biggest issue with using fossils as records?
13. Is it possible that Cro-Magnon and Neanderthals had offspring?
14. What was the significance of this research?
15. Why is it nearly impossible for two different mitochondrial DNA sequences to appear in a cell?
16. What are some of the more valuable parts of the body for DNA extraction?

17. What is the specific function of the Y chromosome?
18. How does one become a “clan mother?”
19. Why does it say that the Neanderthals were rarely found during her time?
20. Today, geographically speaking, where can you find most of Ursula’s descendants?
21. How was her clan able to prosper even in this harsh climate?
22. What were the dangers of the caves?
23. Why was her clan able to stay in place permanently?
24. What advantages does it have to be able to get food from the sea?
25. How does Katrine demonstrate the domestication of wolves?
26. How does the farming scenario show man’s power over nature?
27. Who was the very “first” woman to spread her lineage?
28. What do you think of DNA after learning how important it can be to your history?
29. Did you like this book? Why or why not?
30. What did you learn about the scientific process by reading this book?