

Extra Credit Reading
THE JOURNEY OF MAN

Name: _____

1. How did Carleton Coon's view of human races differ from that of most biologists?
2. Is there more genetic variation within a population or between populations?
3. What are the three forces that lead to change in a population?
4. What is Ockham's razor?
5. Explain how there can be one "mitochondrial Eve" but multiple women who were alive at the same time as she.
6. Why is the Y chromosome a good chromosome to examine when compared to the other human chromosome when researching human origins?
7. When and where was the Y chromosome "Adam" living?
8. Why are the "San people" interesting for biology to study?
9. Why can't carbon dating be used to date samples that are older than 10,000 years? What other dating materials can be used?
10. How is it suggested that humans migrated to Australia? When did this happen, and where did they start?
11. What is syntax and why is it important in relation to human evolution?
12. Describe "Bergmann's rule."
13. Are Neanderthals direct ancestors of modern humans? How do we know?
14. How many new DNA mutations occur per generation?
15. What most likely caused the Neanderthals to go extinct?

16. To where can most European men trace their ancestry?
17. What evidence is there that Native Americans are descendants of Asians?
18. What is the estimated number of people who made the journey from Siberia into the Americas?
19. When did humans begin to practice agriculture?
20. Why would famine, disease, and social stratification increase in agriculturally-based societies compared to hunter gatherers?
21. In what way are changes in languages similar to genetic changes?
22. Why are genetic and linguistic diversity decreasing with time?
23. Did you like this book? Why or why not?
24. What did you learn about the scientific process by reading this book?