

# ANTH 151 Fall 2007

## Exam #1 Study Guide

Instructor: Shepardson

### Section 1: Timeline

You are responsible for knowing the full names (ex. *Australopithecus afarensis*) of the following hominid species, their approximate dates of existence, their major defining characteristics, and evolutionary relationships. Please spell each name correctly to make your answers identifiable.

*Sahelanthropus tchadensis*  
*Ardipithecus ramidus*  
*Australopithecus anamensis*  
*Australopithecus afarensis*  
*Australopithecus africanus*  
*Australopithecus robustus*

*Australopithecus boisei*  
*Australopithecus garhi*  
*Homo habilis*  
*Homo erectus, ergaster, antecessor*  
*Homo sapiens neanderthalensis*  
*Homo sapiens sapiens*

### Section 2: Short Answers

Define each of these key terms in 1-2 full sentences. Explain why the term is important for understanding human prehistory or evolution; remember to include dates where relevant.

1. Culture
2. Archaeology
3. Artifact
4. Stratigraphy
5. Superposition
6. Pseudoarchaeology
7. Natural selection
8. Kinds of evolution
9. Isolating mechanisms
10. Dentition
11. Bipedalism
12. Sagittal crest
13. Prognathism
14. Zygomatic arches
15. Occipital bun
16. Post-orbital constriction
17. Sexual dimorphism
18. Oldowan technology
19. Acheulian technology
20. Zhoukoudian
21. Fire
22. Multi-regional hypothesis
23. Out-of-Africa hypothesis
24. Mitochondrial DNA
25. Mousterian technology
26. Neanderthal "culture"
27. Cro-Magnon
28. Clovis
29. Sinodonty
30. "Venus" figurines
31. Beringia
32. Monte Verde
33. Magdalenian
34. Foragers

### Section 3: Short Essay Answers

Reply to each question with a 1-2 paragraph answer (7-8 sentences). Make sure each of your answers is a well-organized short essay that answers the questions. You must use complete sentences.

1. Give three examples of how changes in climate have directly influenced hominid evolution/prehistory?
2. What are the two major hypotheses that attempt to explain the transition from archaic to modern *Homo sapiens*? Which of these hypotheses do you find most reasonable, and why? Be sure to support your answer with evidence from genetics and fossil morphology.
3. Neanderthals are said to be remarkably “human” in their art, compassion for their comrades, and in their rituals surrounding death. Can we say that Neanderthals had culture? What is our evidence? Use archaeological examples to support your argument.
4. Give examples over the last 5 million years of linear, divergent, and convergent evolution in hominids.
5. When were the Americas first settled and from where? What barriers to settlement did the first Americans face?