

1a. Cro-Magnon and some other *Homo sapiens* made stone tools out of preformed blanks that were characteristically rather long, thin, and triangular in cross section, the result of being made by a method that often used a punch. These tools are described as:

- A. Cosmopolitan B. pebble choppers C. Blade tools D. Hand axes E. Levallois

1b. These stone tools, and the associated tools made of bone, antler, etc., are called:

- A. Acheulian B. Mousterian C. Oldowan D. Upper Paleolithic E. Miscellaneous

2a. What was happening about 12,000 years ago?

- A. first Upper Paleolithic people moved into Europe B. Big thaw — the end of the Ice Age
C. first people move into Australia D. peak of Mousterian culture E. all of these are true

2b. Upper Paleolithic refers to people who lived in Europe during what time period?

- A. 12,000 years ago to 35,000 y.a. B. 35,000 y.a. to 100,000 y.a.
C. 100,000 y.a. to 250,000 y.a. D. 250,000 y.a. to 500,000 y.a. E. 12,000 y.a. until now

3a. Which tradition is famous for its exquisite, bifacially flaked, symmetrical, Laurel-leaf shaped projectile points and oversized “ceremonial” blades?

- A. Magdalenian B. Chatelperronian C. Aurignacian D. Mousterian E. Acheulian F. Solutrean

3b. Which is NOT a part of the Upper Paleolithic?

- A. Magdalenian B. Chatelperronian C. Aurignacian D. Mousterian E. Acheulian F. Solutrean

4. If the neandertals, and the early modern humans who lived at the same time, actually were two different species, then which statement must be FALSE? (That is, contradicts that assumption)

- A. They lived side by side in Western Europe as the Chatelperronian and Aurignacian cultures
B. there is little variation within each species compared to the differences between them
C. it is easy to sort the fossils into one species or the other, with few that are intermediate
D. modern Europeans have no neandertal genes

E. they could have interbred and produced offspring like the child from Portugal

5a. Who were the first people to sport a prominent bony CHIN?

- A. *Paranthropus* B. *Homo habilis* C. *Homo erectus* D. *Homo sapiens sapiens*

5b. What is a chin for? What is its function?

We discussed three models of the origins of modern humans:

A. Carlton Coon’s candelabra (*in class, mentioned once in textbook*)

B. Milford Walpoff’s multiregional (or gene flow) (*drawn in the textbook*)

C. Chris Stringer’s population replacement (or Noah’s ark or Out of Africa) (*drawn in the textbook*)

Using the letters A, B, or C from above, which model does each statement refer to?

6. ___ in this old model with racist overtones, humans spread out from Africa into several geographical regions, and became isolated from each other; each evolved on its own and at its own pace to independently, but not simultaneously, become modern *Homo sapiens*
7. ___ human evolution was a sequence of adaptive radiations, in which a new species evolved in only one region, and then spread out to the rest of the world, replacing other humans without interbreeding with them; it is in fact a model of cladogenesis and punctuated equilibrium
8. ___ human evolution was a case of anagenesis, that is, all earlier humans gradually evolved together into modern *Homo sapiens*, aided by migrations and gene flow

9. Which is true about Australia?

- A. Humans definitely lived there 100,000 years ago
B. the first humans to get there had to cross open water, not walk on a land bridge
C. First they lived in the interior of the continent, and only recently along the coast
D. The famous Venus figures are all found there
E. They lived in houses made of the mammoth bones and skins

10a. Which one doesn’t belong with the others?

- Clovis people PaleoIndians ice-free corridor atlatl fluted points Monte Verde

10b. Which one doesn’t belong with the others?

- Inuits `Eskimos worn teeth Arctic Small Tool Tradition PaleoIndians

PRINT LAST NAME _____ FIRST NAME _____

BONUS What is an atlatl? What is it used for?