

**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 of Cro-Magnon are called:**

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

**2a. What was happening about 35,000 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. When did the most recent Ice Age end?**

- A. 12,000 years ago .    B. 35,000 y.a.    C. 100,000 y.a.    D. 250,000 y.a.    E. 2,000 y.a.

**3a. Which is NOT typical of Upper Paleolithic Culture in Europe (compared to Neandertals)?**

- A. Hunt only big game; no catching of smaller mammals, no fish, no birds  
B. Increased use of bone, ivory, antler to make tools  
C. More items of adornment and also works of art  
D. Larger populations, even social gatherings and more permanent settlements  
E. Trade over long distances in raw materials and possibly finished points, etc.

**3b. Which is the culture of pure Neandertal tools, and thus 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 skulls that are intermediate  
D. modern Europeans have no neandertal genes  
E. they could have interbred and produced offspring like the fossil hybrid children 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 200,000 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 mostly found there  
E. They lived in houses made of the mammoth bones and skins

**10 The reading in 03/04, "when Humans became Humans" is about:**

- A. Chimpanzee culture  
B. How "modern humans" did not develop first in Europe, but moved there from somewhere else  
C. How Neandertals did not develop first in Europe, but moved there from somewhere else  
D. The last *Homo erectus*, who lived in Asia  
E. The origin of bipedalism.

**PRINT LAST NAME \_\_\_\_\_ FIRST NAME \_\_\_\_\_**

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