

**1. Which is FALSE about *Archaic Homo sapiens*?**

- A. they lived from about 500,000 years ago to about 200,000 years ago.
- B. they're sometimes referred to as *Homo heidelbergensis* after the name first used for a jaw from Germany
- C. The skulls from Europe, Africa, and Asia are anatomically quite different from each other
- D. They hunted with stone-pointed spears, made huts, and used fire
- E. They made tools by the Levallois method

**2. Which is FALSE about Neandertals?**

- A. They were first discovered by workmen in the Neander Valley in Germany in the 1850's
- B. Our false concept of them as stupid, hunched-over brutes is due to an erroneous reconstruction by Marcellin Boule
- C. Evidence from burials suggests they looked out for each other and took care of each other
- D. They may have had a special fascination with Cave Bears
- E. Their brain size (cranial capacity) was significantly smaller than our own

**3. Which is FALSE about neandertal burials?**

- A. At Shanidar in the Near East, one was buried with flowers
- b. Some individuals lived to old age and survived broken bones, suggesting they were cared for
- c. Burials were with ceremonies, individuals laid out in a fetal position
- D. All were buried along with bear skulls in stone crypts
- E. The burials at La Ferrassie appear to be a family

**4. It is difficult to date *Archaic Homo sapiens* sites because:**

- A. The earth had no volcanoes then
- B. There has only been erosion since then, no deposition of new sediments
- C. The Ice Age used up all the carbon
- D. They are too recent for potassium argon dating to work, and too old for carbon 14
- E. They ate all their dead

**5. The people we call Neandertals lived in:**

Europe and the Near East                      Africa                      Asia                      Africa, Asia, and Europe

**5a When?**      between 300,000 and 30,000 years ago                      over 1 million years ago

Between 500,000 and 300,000 years ago                      Between 40,000 and 12,000 years ago

**6. The tools of Neandertals are called:**

Acheulian                      Oldowan                      Mousterian                      Upper Paleolithic                      Magdalanian

**6a. Which has not been found in Neandertal sites:**

deliberate burials                      evidence of fire                      evidence of fur robes                      cave paintings

**7. Carbon 14 dating:**

- A. can only be used on volcanic rocks.
- B. can only be used on sedimentary rocks like limestone.
- C. cannot be used to date charred wood.
- D. works because living organisms constantly exchange carbon with the atmosphere.
- E. depends on the fact that each living organism uses only one of the 14 kinds of carbon.

**8. The half-life of Carbon -14 is 5730 years; this means that:**

- A. after 11460 years, a sample would still have half of its original C-14.
- B. after 11460 years, a sample would have no C-14 left; the C-14 completely decayed away
- C. after 11460 years, a sample would still have one-fourth of its original C-14.
- D. after 11460 years, a sample would still have one-eighth of its original C-14
- E. The method cannot be used for anything older than 11460 years

**9./10. Describe the differences in anatomy (skull and skeleton) between neandertals and yourself:**

also, what are the environmental and behavioral explanations for those differences?

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

bonus q: How is the Levallois method so different than the earlier Acheulian tools like the hand axe?