

1. Which is FALSE about radiocarbon dating?

- A. Most carbon is ^{12}C , but the rare radioactive isotope is ^{14}C (radiocarbon)
- B. The half life of radiocarbon is about 5730 years
- C. After 11460 years, all of the radiocarbon in a sample is gone
- D. It doesn't work on things that died much more than 50,000 years ago.
- E. Radiocarbon is constantly formed in the upper atmosphere when cosmic rays hit nitrogen
- F. Bone and wood (or charcoal) can be tested for radiocarbon dating

2a. The first publicized discovery of a Neandertal was in the Neander Valley of:

Germany France Italy East Africa South Africa China Java

2b. in the year: 1789 1856 1891 1924 1938 1959 1995

3a. by: Leakeys Johanson Dart Dubois Weidenreich workmen

3b. Which is NOT a Neandertal fossil site?

Shanidar Krapina La-Chapelle-aux-Saints La Ferrassie Tabun Cro-Magnon

4a. Which is the site of the famous flower burial?

Shanidar Spy La-Chapelle-aux-Saints La Ferrassie Teshik Tash Cro-Magnon

4b. *Sima de los Huesos* is the pit of bones site in:

Atapuerca, Spain Terra Amata, France Zhoukoudian, China Rome, Italy

5. We now use the term Neandertal to refer to those humans who lived only:

Where: Eastern Asia Africa Europe & the Near East in northern Europe

When: 1 to ½ million years ago 500,000 to 250,000 y.a. 250,000 to 30,000 y.a.

6. Which is FALSE about Neandertal anatomy (compared to modern humans)?

- A. Neandertals have larger brow ridges
- B. Neandertals have thicker bones
- C. Neandertals have longer arms and legs
- D. Neandertals have bigger teeth
- E. Neandertals have larger faces
- E. Neandertals have larger brains

7. Neandertal anatomy was the result of adaptation to:

- A. Oceanside living, with many foods from the sea.
- B. Living on mountaintops
- C. Living a strenuous life in the Ice Age cold
- D. Cannibalism
- E. A coarse vegetable diet: hard seeds, grains, etc.

8. All of these cultural traditions of the European Upper Paleolithic include punch blade tools and bone and antler tools; which one also includes Mousterian tools and is as old as the Aurignacian?

A. Magdalenian B. Gravettian C. Solutrean D. Chatelperronian

9. Which is TRUE about Upper Paleolithic people?

- A. They appear in Europe about 40,000 years ago, and Neandertals disappear within 10,000 years
- B. Upper Paleolithic people buried their dead, while Neandertals never did
- C. Upper Paleolithic people and Neandertals had similar art and personal adornment
- D. Neandertals lived in larger social groups, Upper Paleolithic people lived in small isolated families
- E. All of these are true

10. Which was NOT part of Upper Paleolithic culture?

- A. Paintings on cave walls such as the large animals at Grotte Chauvet
- B. All of these: spear throwers, harpoons, needles, "Tailored" clothing
- C. Engraved animals on bone, wood, and ivory tools
- D. Venus figures of voluptuous, anonymous women
- E. Planting seeds for a bountiful harvest of crops.

FIRST NAME _____ **LAST** _____

what reconstruction was Marcellin Boule famous for, and how was he wrong?