

1. Which is FALSE about the *Homo erectus* phase of human evolution?

- A. They lived in Africa and southern parts of Asia and Europe.
- B. They began over 1½ million years ago and hung on until a half million years ago.
- C. We used to think they didn't expand out of Africa until about 1 million years ago, but new evidence from places like Dmanisi puts it at more like 1½ million years ago.
- D. The tools typically associated with *Homo erectus* are called Acheulian
- E. They made hand axes in China and Java, but not in Africa

2. Which is FALSE about the anatomy of *Homo erectus*?

- A. They were almost exactly like us below the neck
- B. They had larger teeth and jaw muscles than us
- C. They had large brow ridges – more like a single large ridge over both eyes
- D. They had a large protruding sagittal crest for the attachment of jaw muscles
- E. They were more prognathic than ourselves
- G. Their brains were about 2/3 the size of our own

3. Which is FALSE about the fossil known as Nariokotome from Lake Turkana (WT 15000)?

- A. It is a young boy, about 11 to 13 years old
- B. It is a very complete skeleton, yet over one and a half million years old
- C. It was found by Leakey & Walker in the 1980's
- D. He would have grown to be about six feet tall (roughly)
- E. He was buried in a fine robe with jewelry

4. Which fossil collection was lost during World War II?

- |            |          |                     |             |                  |
|------------|----------|---------------------|-------------|------------------|
| Peking Man | Java Man | <i>Homo habilis</i> | Nariokotome | Torralba/Ambrona |
|------------|----------|---------------------|-------------|------------------|

5-6 (4 parts). The first ever discovery of a hominid fossil of the *Homo erectus* phase of human evolution was made by

- |         |           |           |             |
|---------|-----------|-----------|-------------|
| A. Dart | B. Dubois | C. Leakey | D. Johanson |
|---------|-----------|-----------|-------------|
- who named it:
- |                                    |                                |
|------------------------------------|--------------------------------|
| A. <i>Australopithecus erectus</i> | B. <i>Paranthropus erectus</i> |
|------------------------------------|--------------------------------|

- |                        |                                   |                                |
|------------------------|-----------------------------------|--------------------------------|
| C. <i>Homo habilis</i> | D. <i>Pithecanthropus erectus</i> | E. <i>Ardipithecus ramidus</i> |
|------------------------|-----------------------------------|--------------------------------|

He found it in: China Africa Java India Europe

in the years: 1890's 1910's 1930's 1950's 1970's

7. Which is FALSE about the Ice Ages?

- A. They span the geological epoch called the Pleistocene
- B. They are the most recent two million years
- C. Periods of heavy glaciation alternated with warmer periods – interstadials such as the one now.
- D. During heavy glaciations, the sea levels were higher than they are now
- E. Glaciers don't just sit there, they MOVE.

8. Which is FALSE about *Homo heidelbergensis*?

- A. They replaced *Homo erectus* in Africa and Europe and parts of Asia
- B. They made tools by the more efficient Levallois method
- C. Unlike *erectus*, they hunted, used fire, made shelters, and probably spoke a language
- D. Their sites are hard to date because they are too old for potassium argon dating to work accurately
- E. They lived 500,000 years ago

9. Which is NOT a way that one might try to date the origin of human language?

- A. Looking at cranial endocasts to determine the presence of the language areas
- B. Looking at letter-like scratches on cave walls
- C. Looking at the base of the skull to see if the larynx is in a lower position like modern humans
- D. Looking at ancient complex social behavior to see if it might require language for it to occur
- E. Looking at the size of the foramens for the nerves that control the muscles of the tongue, diaphragm, etc

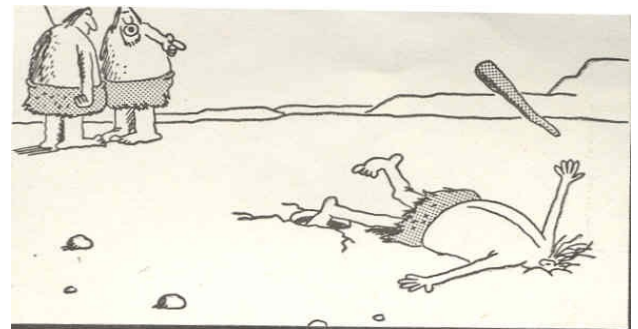
10. Match one to one (includes the BONUS Q)

- |                                                        |                                    |
|--------------------------------------------------------|------------------------------------|
| Zhoukoudian                                            | Terra Amata                        |
| Torralba/Ambrona                                       | Olorgesailie                       |
| _____ a cave in Asia, remains of 40 hominids           | _____ Palynology                   |
| _____ a baboon kill site in Africa                     | _____ means the study of pollen    |
| _____ a living site with huts and paleofeces in France | _____ a mammoth kill site in Spain |

PRINT FIRST NAME \_\_\_\_\_ Last Name \_\_\_\_\_

BONUS QUESTION: How can we determine ancient climate and even the time of year from preserved pollen?

Answer this on the back



Still in its early stages, the Olduvai Pothole claims its first victim.