

1a. Which is the only hominid with a sagittal crest?

- A. *Paranthropus* B. *Homo sapiens* C. *Australopithecus africanus* D. All of these

1b. Lucy and other members of her species, and *Australopithecus anamensis*, are included in the:

- A. "Primitive" australopithecines B. "Gracile" Aust. C. *Homo habilis* D. "Robust" australopithecines

2a. The split between the gracile and robust lineages of australopithecines occurred about:

- 1 million years ago 2 million years ago 5 million years ago 15 million years ago

2b. The split between the hominid lineage and the African ape lineage occurred about:

- 1 million years ago 2-3 million years ago 5-6 million years ago 15 million years ago

3. Which is TRUE about the origin of bipedalism in early hominids?

- A. they were savanna quadrupeds for millions of years, and then began to stand upright
 B. the women became bipeds first in order to have sex and carry their babies
 C. they were small suspensory arboreal creatures who had no choice but to walk bipedally to get to the next tree as the forest began to thin out.
 D. The common ancestor of apes and humans was a fully terrestrial habitual biped.
 E. The three protohominids (*Sahelanthropus*, *Ard. kadabba*, *Orrorin*) date from about that time period

4. Which is an advantage of quadrupedalism over bipedalism?

- A. quadrupeds can run faster B. quadrupedalism takes less energy
 C. quadrupeds keep cooler in the sun. D. quadrupeds can carry stuff more easily.
 E. Only quadrupeds have the arm strength to make stone tools.

5. Which is false?

- A. Until 25 years ago, anthropologists thought that the Miocene fossil **Ramapithecus** was the first hominid.
 B. Vincent Sarich argued from immunology studies that humans and chimps split much more recently.
 C. Paleoanthropologists realized that the few bones we had of Ramapithecus belonged to Sivapithecus
 D. Newly discovered skulls of Sivapithecus showed it was ancestral to Orangutans, not humans
 E. Orangutans are genetically closer to humans than chimps are

6. Some primatologists now include the Chimps and gorillas in the family Hominids; which is false?

- A. Humans and the African apes are a clade, with a recent common ancestor
 B. Orangutans are genetically closer to humans than chimps are
 C. Humanoids are the superfamily of apes and humans, unchanged by this new trend
 D. There was a great adaptive radiation of apes in Africa & Asia in the Miocene about 15 million years ago

7/8. The fossil called "Lucy" was discovered by

- | | | | |
|-------------------|--------------|------------------|----------------|
| Robert Broom | Raymond Dart | Sir Arthur Keith | Charles Dawson |
| The Leakey family | Don Johanson | Tim White | Pat Shipman |

at the site called:

- | | | | |
|------------------|-------------------------|---------------------|-------------------|
| Hadar, Ethiopia | Olduvai Gorge, Tanzania | Lake Turkana, Kenya | Laetoli, Tanzania |
| in the year 1838 | 1859 | 1891 | 1912 |
| | | 1924 | 1938 |
| | | | 1959 |
| | | | 1974 |

and was given the Latin name:

- | | | | |
|-----------------------------------|-----------------------------|----------------------------|---------------------|
| <i>Australopithecus afarensis</i> | <i>Ardipithecus ramidus</i> | <i>Paranthropus boisei</i> | <i>Homo habilis</i> |
|-----------------------------------|-----------------------------|----------------------------|---------------------|

9. The famous fossil footprints of Lucy's species were found at the site of

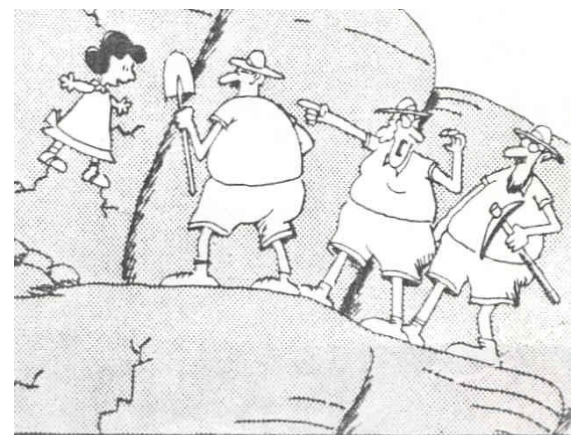
- | | | | |
|-------------------------|-------------------------|----------------------|----------------------|
| Hadar, Ethiopia | Olduvai Gorge, Tanzania | Lake Turkana, Kenya | Laetoli, Tanzania |
| by: Mary Leakey in 1974 | Don Johanson in 1985 | Meave Leakey in 1995 | Raymond Dart in 1924 |

10. Which is true about the Black Skull?

- A. Species name *Paranthropus aethiopicus*
 C. Black color due to minerals absorbed from soil
 D. Oldest known robust type E. Lived almost 3 million years ago
 F. Proved robust and gracile australopithecines lived at same time
 B. Found by a Leakey team in 1985 G. all of the above are true

PRINT FIRST NAME _____ LAST _____

BONUS: tell me everything you know about Lucy: dating, description of fossil, body size, teeth, anatomy, limbs, locomotion



Rocking the anthropological world, a second "Lucy" is discovered in southern Uganda.