

1. **The Leakey family's first discovery of a hominid fossil was in the year 1959; they called it:**
 A. *Zinjanthropus boisei* B. *Homo habilis* C. *Australopithecus africanus* D. *Australopithecus afarensis*
- 1a. **It was found in the location known as:**
 A. Taung, South Africa B. Olduvai Gorge, Tanzania C. Laetoli, Tanzania D. Hadar, Ethiopia
2. **It is now called by the species name:**
 A. *Paranthropus boisei* B. *Homo habilis* C. *Australopithecus anamensis* D. *Ardipithecus*
- 2a. **And can be described as:**
 A. Extremely gracile B. Extremely robust C. Human like in the jaws D. Very tall, over 6'
3. **Consider the fossil called "Lucy", discovered in the 1970's; which is FALSE about Lucy?**
 A. She was a rather complete skeleton, discovered by Don Johanson B. She was less than 4 feet tall
 C. She was assigned to the species *Australopithecus afarensis* D. She was aged at over 8 million years
 E. She walked bipedally, but had long arms and fingers for climbing trees.
4. **Which is FALSE about "Primitive" Australopithecines like Lucy and *Australopithecus anamensis*?**
 A. They had long and curved toes B. They had shorter legs than we do
 C. They had canine teeth that were longer than more recent hominids' D. They are dated at 3 to 5 mya.
 E. They had tails.
5. **Which is FALSE?**
 A. Neoteny means that the adults of a species have evolved to look a lot like their children.
 B. The "Black Skull" is from a species of *Paranthropus* that lived at the same time as the gracile species
 C. We now think that there was only one kind of hominid alive at any time in the past: a 'ladder' not a 'bush'
 D. *Paranthropus* was the last of the australopithecines to survive, becoming extinct about 1 million yrs ago.
 E. Bipedal footprints over three million years old were found by Mary Leakey at the site of Laetoli.
6. **Which is FALSE about Meave Leakey?**
 A. She discovered *Kenyanthropus platyops* B. She discovered the fossil called the Taung child
 C. She discovered *Australopithecus anamensis* D. She is married to Richard Leakey
 E. She is Mary Leakey's daughter-in-law
7. **Which is FALSE?**
 A. Most anthropologists today agree that the fossil and the genetic evidence both suggest that the human (hominid) lineage split off from the African apes roughly about 5 to 7 million years ago.
 B. *Ardipithecus*, *Orrorin*, and *Sahelanthropus* are all from the time period close to the ape/human split.
 C. *Australopithecus gahri* was found with stone tools; Tim White claims that they made them.
 D. *Kenyanthropus platyops* is as old as Lucy's kind, yet seems to be a different, more human-like, species.
 E. The common ancestor of chimps and humans was gorilla-size and a terrestrial quadruped.
8. **Which is FALSE about bipedalism?**
 A. Bipedal walking absorbs less heat from the sun than quadrupedalism does.
 B. Bipedal walking can carry things like food and babies.
 C. Bipedal walking has freed the hands from locomotion, so they can be more manipulative
 D. Bipedal walking can run faster than quadrupedalism of the same body weight.
 E. Bipedal walking uses less energy than quadrupedal locomotion.
9. **Which is your teacher's opinion about the origin of bipedalism among the first hominids?**
 A. Hominids were terrestrial quadrupeds on open savannas for millions of years before they stood upright.
 B. Males became bipeds first as they carried food back to arboreal females—who rewarded them with sex.
 C. Hominids began as small arboreal upright creatures who had no choice but to walk bipedally when they needed to venture between wooded areas as the forest gradually became a savanna.
 D. The first bipeds were the *Paranthropus* type of robust Australopithecines.
 E. Miocene apes were all bipedal, so naturally all their descendants are bipedal.
10. **"Mothers and Others": Which is TRUE ? : in surviving traditional cultures like the Efe & Bari:**
 A. Every baby is cared for by many women, not just the birth mother.
 B. A woman gives birth only about every 4 years
 C. A woman may have sex with many men before a birth; all the men are then seen as "fathers"
 D. They exhibit the pattern of behavior called: "Cooperative Breeding"
 E. All of these are true.

Bonus: give two reasons that we can get good potassium argon dates from east African sites but not from South African sites: