

Matching: each is used once; two points

The Black Skull	Lucy	Taung Child	“Zinjanthropus”
_____	_____	_____	_____

Discovered in Ethiopia in 1974 by Don Johanson, it was the most complete and oldest hominid known at the time and dated at over 3 million years.

_____ this discovery in the 1980's led to the conclusion that Paranthropus was as old as the oldest gracile Australopithecus: they were contemporaries in east Africa.

_____ refers to the Leakeys' first hominid discovery in 1959, at Olduvai Gorge, a hyper-robust individual now generally classified as *Paranthropus*.

_____ The first Australopithicine discovery; South Africa

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<i>Paranthropus aethiopicus</i>	<i>Australopithecus afarensis</i>	
<i>Australopithecus africanus</i>	<i>Paranthropus robustus</i>	<i>Paranthropus boisei</i>
<i>Kenyanthropus platyops</i>	<i>Australopithecus anamensis</i>	
<i>Australopithecus bahrelghazalia</i>		

_____ a primitive australopithecine, well over 3 million years old; Lucy's species

_____ "gracile" australopithecines

_____ the "black skull species"

_____ Chad in north central Africa, old as Lucy, but different

_____ the east African robust species

_____ the South African robust species

_____ Meave Leakey's find from mid-1990's; older than Lucy, and more ape-like

_____ (not in readings) Meave Leakey's find from the late 1990's; old as Lucy, but more human like.

Match Tim White's enigmatic finds:

<i>Australopithecus garhi</i>	<i>Ardipithecus ramidus</i>
_____	_____

_____ a stone tool making Australopithicine?

_____ a fossil so old it may be more ape than human

8. Which is TRUE?

- A. 3 million year old footprints were found at the site of Laetoli by Mary Leakey
- B. Acidic forest floors are better for fossilization than alkaline mud.
- C. The study of how animals become fossils is called "paleontology"
- D. Relative dating means telling how old an individual was by how many teeth have erupted.
- E. All of these are true.

9. Which is TRUE?

- A. Potassium argon dating was used in South African caves to date *Paranthropus*
- B. *Australopithecus* in South African caves was dated by stratigraphy
- C. Fossils in Olduvai Gorge in East Africa can be dated by K-Ar dating of volcanic ash layers
- D. *The Paranthropus* lineage became extinct about 3 million years ago.
- E. There has never been more than one species of hominid alive at the same time.
- F. All of these are true.

10. Lucy and other individuals in her primitive species differed from more recent gracile and robust Australopithecines in that Lucy had:

- A. Relatively longer arms and shorter legs.
- B. Long curved fingers and toes suggesting arboreal climbing
- C. A femur and pelvis indicating bipedalism
- D. Teeth with slightly protruding canines in a prognathic jaw
- E. All of these are true.

PRINT YOUR FIRST NAME _____ **Last Name** _____

BONUS QUESTION: The article "Mothers and Others" suggested that hominids are cooperative breeders by nature; what do they mean by "cooperative breeders"?