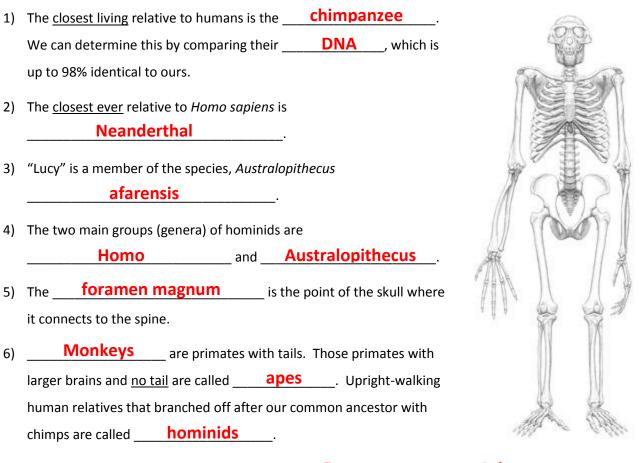
Name: STUDENT ANSWER KEY Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Paleoanthropology Review

**Directions:** Use the word bank on the back of this page to fill in the blanks for each question.

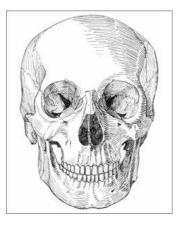


7) More recent hominid fossils can be found in **Europe** and **Asia**, but the earliest hominids are known to have originated on the continent of \_\_\_\_\_\_ Africa \_\_\_\_\_, specifically near the Great Rift Valley

8) The **sagittal crest** is what the jaw muscles attach to, on top of the cranium.

- 9) "Lucy" was discovered in 1974 by \_\_\_\_\_ Don Johanson \_\_\_\_\_ in Hadar, Ethiopia.
- 10) The \_\_\_\_\_ Laetoli \_\_\_\_\_ footprints were discovered by Mary Leakey in 1978. These footprints are preserved in a layer of sedimentary rock, made of **volcanic ash**. They give very strong evidence that A. afarensis was \_\_\_\_\_ bipedal \_\_\_\_\_.
- 11) One way to establish that a specimen was bipedal is to look at its \_\_\_\_\_ pelvis \_\_\_\_\_. If it is more elongated, then the species probably walked on all fours more like an ape, but if it is more compact, the species likely walked **upright**

- 12) **Paleoanthropology** is the study of ancient humans.
- 13) All primates have \_\_\_\_\_\_ binocular \_\_\_\_\_ vision, which allows them to see in 3D (depth perception).
- 14) A hominid skull with a low angled facial slope and a long, parallel, U-shaped dental arcade most likely also exhibits significant <u>prognathism</u>.
- 15) Until recently, the <u>Savannah</u> Hypothesis was the predominant explanation offered for why human ancestors became bipedal. In this hypothesis, the early <u>forest</u> environment of Africa dried up and gradually gave way to more of a <u>grassland</u>.



- 16) **Opposable thumbs** on both hands and feet allowed earlier apes (and most modern primates) to grab onto and climb tree branches with ease.
- 17) Walking upright allows us to use less <u>energy</u> when moving around, compared to apes.
- 18) \_\_\_\_\_ is the nickname for *Ardipithecus ramidus*, a more primitive hominid species that existed over a million years before Lucy.
- 19) Homo habilis literally translates to "<u>Handy</u> man", referring to the fact that this specimen is thought to have made and used stone <u>tools</u>.
- 20) *Homo* \_\_\_\_\_\_ is the name of our own species.

## Word Bank

Laetoli	energy	prognathism
forest	Ardi	monkeys
Africa	handy	apes
Great Rift Valley	tools	hominids
volcanic ash	sapiens	DNA
foramen magnum	opposable thumbs	bipedal
pelvis	Savannah	upright
Neanderthal	paleoanthropology	binocular
afarensis	sagittal crest	Homo
Australopithecus	Asia	Europe
chimpanzee	Don Johanson	grassland