**Primates**

-Group within the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that have:

-Flexible \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and feet

- Forward facing eyes for \_\_\_\_\_\_\_\_\_ vision

- Enlarged \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

- Rotating \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ joints

- Many have opposable \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Primates include:**

Prosimians:

-Small, nocturnal animals -Ex. Lemurs, tarsiers

Anthropoids: humanlike primates

Divided into:

-\_\_\_\_\_\_\_\_\_ World monkeys

-Monkeys include langurs and macaques

-New World monkeys – found in the Americas

-Include \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_monkeys and spider monkeys

-Have a prehensile tail

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hominoids**

Divided into:

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_ apes

-Ex. Gibbons

-Great apes

-Chimpanzees -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-Bonobos -Orangutans

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hominids:**

-Walk \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, have long lower limbs, opposable thumbs, large brains, \_\_\_\_\_\_\_\_\_\_\_\_

-Bipedal: walks on \_\_\_\_\_\_\_\_ legs

-Advantage: frees hands for foraging, carrying infants and food, and using \_\_\_\_\_\_\_\_\_\_\_\_\_

-Includes all the species in the human lineage

**Trends in Hominid Evolution**

-Increasing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ size

-Change in jaw and teeth – wider, shorter molars and reduced canines

-Use of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which become more sophisticated over time

-Development of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Human Evolution**

Hominid species include the genera *Ardipithecus, Australopithecus,* and *Homo*

***Ardipithecus ramidus***

-Lived 5.8 to 4.4 mya in Ethiopia

-“Ardi”

-Teeth are more similar to hominids than apes

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, but primarily a \_\_\_\_\_\_\_\_\_-dweller, although not as agile as chimps would be

**Australopithecus afarensis**

-Lived 4 to 2.5mya in eastern Africa

-“\_\_\_\_\_\_\_\_\_\_\_”

-Cranial capacity: \_\_\_\_\_\_\_\_\_-430cm3

**Australopithecus africanus**

-Lived 3 to less than 2.5 mya in southern Africa

-Cranial capacity: 435-\_\_\_\_\_\_\_\_cm3

**Genus *Homo***

-Appeared \_\_\_\_\_\_\_\_\_ million years ago

-Evolved in Africa

-It was this genus that migrated out of Africa

***Homo habilis***

-Lived 2.4 to 1.6 mya in Tanzania, Kenya, Ethiopia, and South Africa

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_ face, larger molars

-Cranial Capacity: \_\_\_\_\_\_\_\_\_ cm3

-Used simple stone \_\_\_\_\_\_\_\_\_\_ and fire

-Lived in caves

***Homo erectus***

-Lived 1.8mya to 100,000 years ago

-Cranial capacity: \_\_\_\_\_\_\_\_\_\_\_cm3

-Fossils found in Africa, but also in Europe, India, China and Indonesia

-Thought to be \_\_\_\_\_\_\_\_\_\_\_ migratory human ancestor

***Homo neantherthalensis***

-Lived 200,000 to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years ago in Europe and western Asia

-“\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_”

-Cranial capacity: 1600cm3 (larger than modern humans)

***Homo sapiens***

-Archaic forms date back to 140,000-70,000 years ago

-Found in Africa, Europe and Asia

-Cranial capacity: \_\_\_\_\_\_\_\_\_\_\_cm3

-Developed \_\_\_\_\_\_\_\_\_\_ (cave paintings), used finely-crafted tools and weapons

**Modern *Homo sapiens***

-Our genus has been the only hominids for the last \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years

-Since then, most of evolution has been cultural

-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, *Homo sapiens* have not changed much from the archaic forms

 