

Biology
Evolution
2012 - 2013
#5

- I. **Evolution of the Primates = monkeys, apes (many species alive today)**
 - A. **Opposable thumb**
 - 1. **grasping hands**
 - B. **front facing eyes with a dominance of cones in the retina**
 - 1. **depth perception**
 - 2. **color vision**
 - 3. **sharp vision**
 - 4. **diurnal = active during the day**

- II. **Evolution of the hominids = humans (only species alive today)**
 - A. **bipedal = walk on two feet**
 - B. **large brains**
 - C. ***Australopithecus sp.***
 - 1. **evolved in Africa**

- III. **Evolution of the genus *Homo***
 - A. ***Homo habilis* = big brains, used tools**
 - B. ***Homo ergaster* = first to use fire**
 - C. ***Homo erectus* = migrated out of Africa**
 - D. ***Homo heidelbergensis* = lived in Europe**
 - E. ***Homo neanderthalis* = developed speech and social structure**