

# **Genetics and Evolution IB 201 06- Lecture 8**

## **Human Evolution**

### **I. Primate Classification**

**Superfamily—**

**1.Family—**

**2.Family—**

▪ **Subfamily—**

▪ **Subfamily—**

### **II. Phylogeny of Old World Monkeys and Apes (Including Humans)**

### **III. Synapomorphies**

**A. Hominoidea**

**B. Homininae (African great apes)**



## **VI. Recent Human Evolution**

**A. Characteristics of common ancestor of human and chimp**

**B. Trend in relative brain sizes (gorilla, chimp, humans)**

**C. Summary of fossil skull transitions (chimp to *Homo sapiens*)**

**D. Hypothetical lineages leading to *Homo sapiens***

## **VII. Hypotheses of Modern Human Evolution (Archaic to modern humans)**

**1. Name—**

**Characteristics**

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**2. Name—**

**Characteristics**

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**3. Name**

**Characteristics**

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**XIII. Language Evolution**

**Refs:**

F&H: Chap. 18

Futuyma, D. 2005. Evolution. Sinauer, Sunderland, MA