

Day 2 –

FAMILY:

**We get a lot from
them**

***“Insanity is hereditary – you get it
from your children”***

Objectives

- ▶ **Understand some biological factors of evolution**
- ▶ **Compare and contrast humans from other primates**
- ▶ **Identify what a “family” is, compared to bands or tribes**

▶ **Terms:**

- ▶ **Heredity**
- ▶ **Genes**
- ▶ **Primates**
- ▶ **Family**
- ▶ **Band**
- ▶ **Tribe**

Remind Me...

- ▶ **What is Evolution?**
- ▶ **Why do humans evolve?**
- ▶ **What about Natural Selection and mutations?**
- ▶ *Today we look at some of the biological ways of studying evolution... but we do NOT go “all in” like in a Science course*

Family First

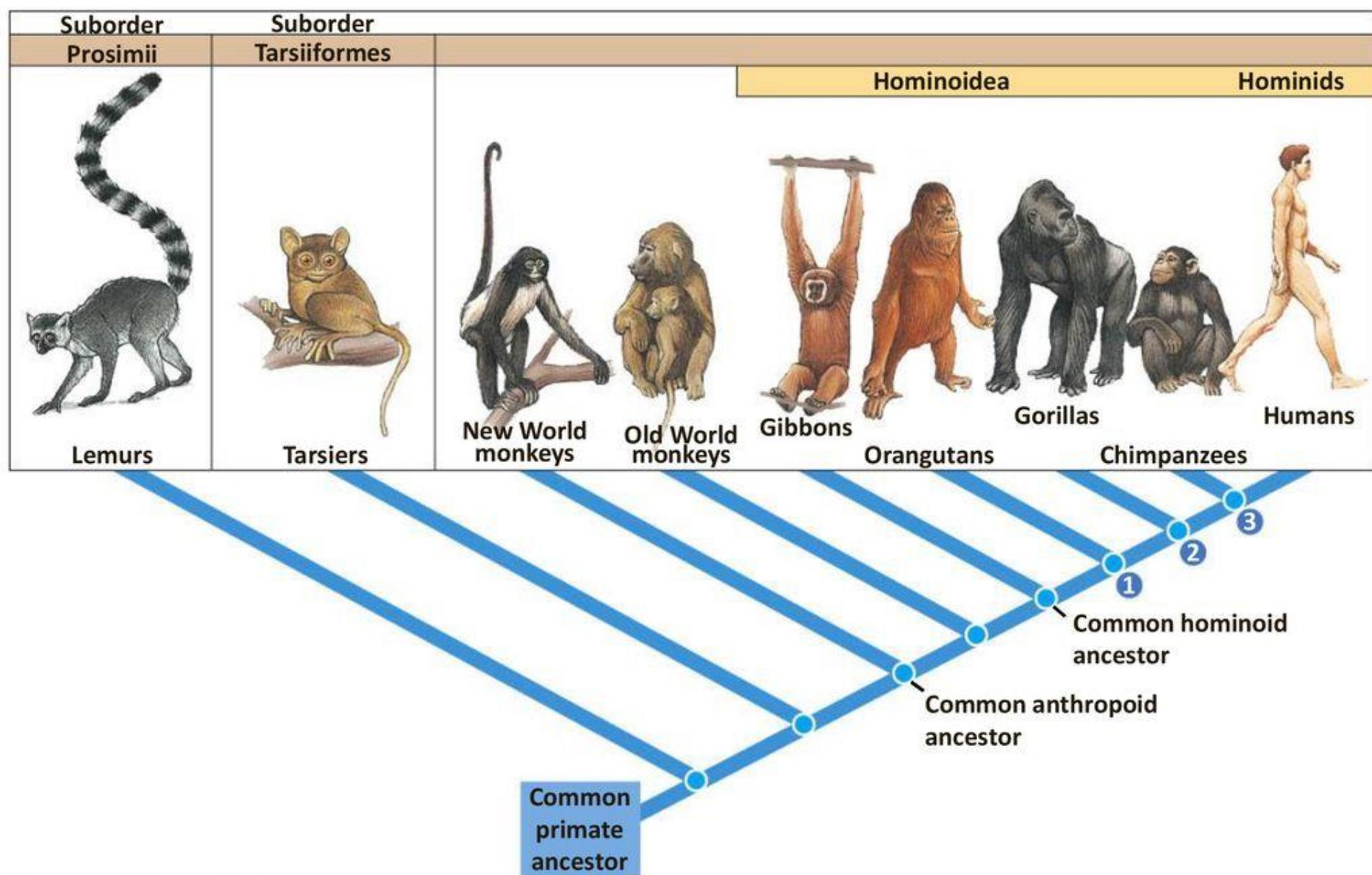
- ▶ *What is a “family”? How would YOU define it?*
- ▶ *Is there a scientific definition? What about a more “social” definition?*
- ▶ *Are humans the only ones who have them?*
- ▶ *What does a “family” give you?*



So Who's In Our "Family"?

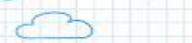
- Humans, as a species, have an interesting "family" legacy...
- *Kingdom* - Animal
- *Phylum* - Vertebrate
- *Class* - Mammal
- *Order* - Primate
- *Family* - Hominid
- *Genus / Species* - Homo Sapiens

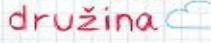
Order: Primates

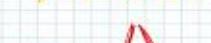


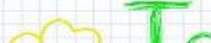
Amazon Primate

- ▶ *What kind of family are we? What traits do we share?*
- ▶ **PRIMATES**
- ▶ **Upright Posture, Opposable Thumbs, Large Brain, Long Legs, Color Vision, Different Teeth...**
- ▶ **But the largest, most important difference for anthropologists... ONLY humans have...**
- ▶ **LANGUAGE!!!!**
 - ▶ **We are the only species to create and use symbols to communicate**
 - ▶ **Others may RECOGNIZE but not CREATE**

Mamička mor 
 **MAMA**  **Mamma**
 dre  **MOM**  **Anne**
 Maman  **madre**
EMA  **Mamička** 
 Anyu  **maminka** 
 MAMA  **māe** 
 MOTHER  **Mutter**

an Šeimos  **Fjölskyld**
 an družina  **Породиже**
 Aile  **Семья**
 **RODZINA**  **gimenes**
 **familia** **FAMILY** 
 Teaghlaigh  **družina**
 **Család**  **Perhe**
 Породиже  **Keluarga** 

brālis **Frate**  **schwester**
 **Anai**  **Arreba**
ZUS  **Sora**  **BROER**
 Bruder **Брат**  **BRAT**
 A hermano  **deirfiúr**  **Siostra**
 Māsa  **sorella**  **Fratello**
 **сестра**  **schwester**
 Brother  **SISTER**  

Tētis  **Tatko**  **pappa**
 dad  **ПАПА**  **Pabbi**
 **PADRE**  **dad**
 **Tatko**  **Táta**
 Oče  **pappa**  **Apu**
 h  **FAR**  **aya**
 **papà**  **Isä**
 **Baba** 

Watch Your Language!

- ▶ A “family” isn’t just about language and symbols, but also often has *biological* factors too!
- ▶ *Have you ever been told you look like your parent?*
- ▶ **WHY is that?**



A New Pair Of Genes

► Heredity

- How traits are passed from parent to offspring

► Genes

- The unit to measure heredity
- Determines a specific trait
- *The color of skin, hair, and eyes, but also things like diseases, height, or predispositions towards or away from certain things*
- **Coded by DNA**
- Remind me, what is a mutation?



We Are Family

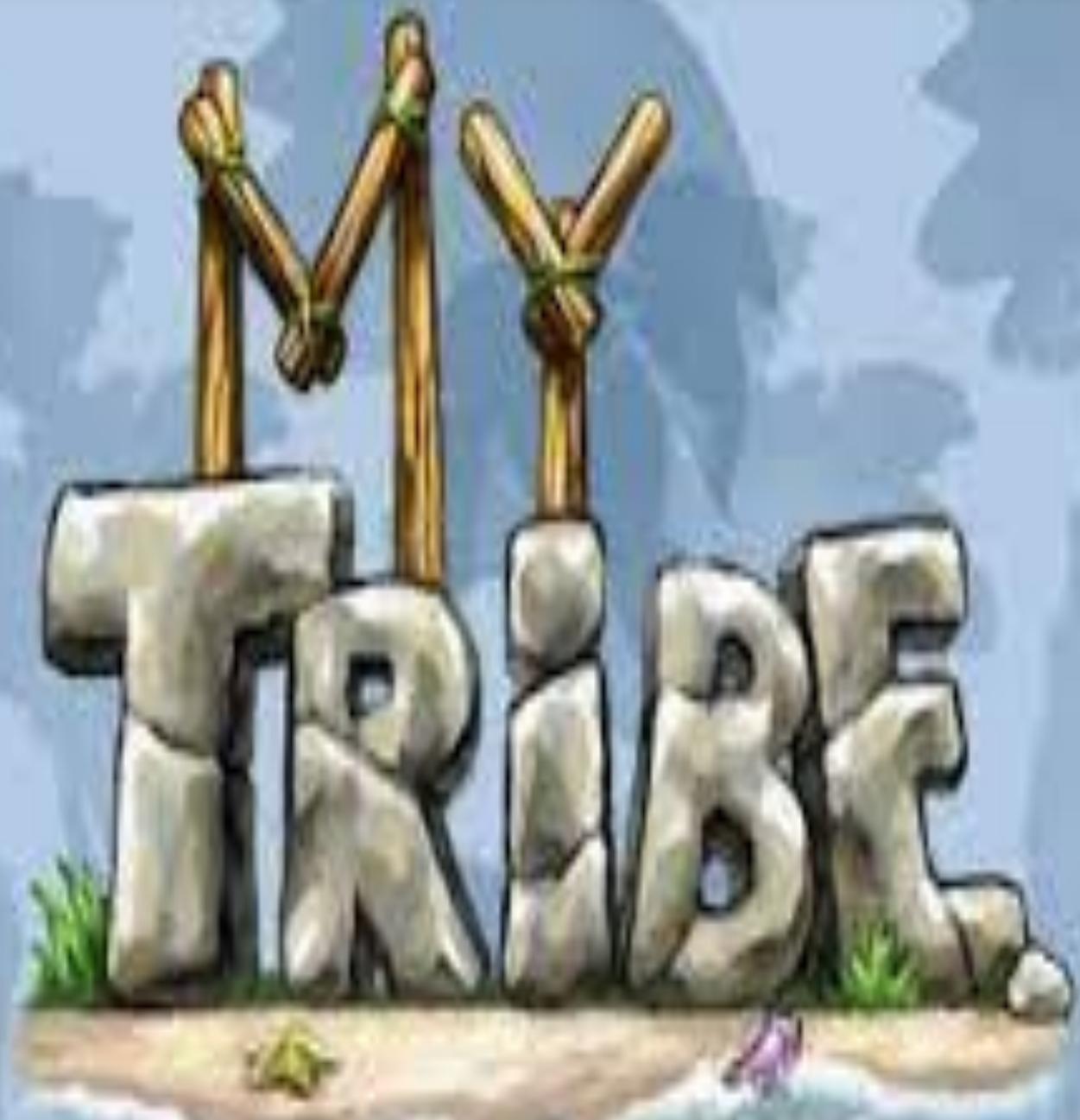
- ▶ *But is “family” all just biological? Anthropologists say no, and that we have other terms that may be less “biology” and more “sociology”...*

▶ Band

- ▶ **Smallest type of society**
- ▶ **Simplest organization (if any)**
- ▶ *Think of your group of friends*

▶ Tribe

- ▶ **Several “bands”**
- ▶ **Has structure, or organization, or *leadership***
- ▶ *Are there natural leaders? “Chiefs”?*



And so...

- ▶ *In Anthropology “family” can have a biological and scientific meaning, but also a “social” one*
- ▶ *We can’t avoid that some things we get form our families, biologically...*
- ▶ *In a future class we’ll be looking at the “social” things we get from families, bands, and tribes...*
- ▶ *Remember that we can’t always choose our families, but we CAN choose our “families”*

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- ▶ Primates
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- ▶ Tribe