**Hominid Evolution Worksheet:**

**Brainstorm in your notebooks:**

**Write down 3 things that make us different or more evolved than other animals.**

Complete the following questions staple this page in your notebook and answer the questions in your notebook.

1. **DEFINE HOMINID!!!**

*How Modern Humans Evolved🡪 Early Beginnings of Modern Humans*

1. Name 3 distinctive physical features of modern humans:
2. What type of evolutionary evidence can tell us about our early relatives?
3. Who is Lucy (age, scientific name, what type of evidence we have about this species)? And how do we know this species was bipedal?
4. Tell me one thing about Homo *erectus*
5. Tell me one thing about *Homo heidelbergensis*
6. Write down 2 similarities between *Homo neanderthalensis* and modern humans
7. What do scientists think about *Homo floresiensis* and why was this species given the nickname “The Hobbit”?

*How Modern Humans Evolved🡪 How long have we been here?*

1. It is estimated that the first members of the human family (hominins) lived in **\_\_\_\_\_\_\_\_\_\_\_\_** about **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
2. How does genetic diversity indicate how ancient a people are?

*How Modern Humans Evolved🡪 3D Hominid Skulls Interactive*

*(*Scientists think that we **shared a common ancestor with chimpanzees** around 5 to 8 million years ago. Since then, the human skull has **gradually changed shape.** Compare the skulls of chimpanzees, modern humans, and some extinct species of hominid, such as *Australopithecus afarensis*, to see which were most closely related and how skull shape has evolved.)

1. When you look at Lucy’s skull which skull out of the chimpanzee skull or human skull looks more closely related? Give me one observation about the skull (shape, size, jaw structure…etc) you see that supports your answer.
2. Which skull looks the most like the modern human skull?

READ THE FINDING LUCY BACKGROUND ESSAY AND ANSWER THE FOLLOWING QUESTIONS IN YOUR NOTEBOOK:

1. Write down 2 things that set us apart on the path to becoming human.
2. Why do scientists care so much about “Lucy”? Why is “Lucy” important for research in hominid evolution?
3. Give me one anatomical piece of evidence that may suggest Lucy was an ancestor to both modern humans and apes.
4. What is the first step in becoming human according to this reading?

WATCH FINDING LUCY VIDEO ANSWER FOLLOWING QUESTIONS IN YOUR NOTEBOOK:

1. Where was Lucy found?
2. What did the scientist find in the very beginning?
3. What was special about this fossil the scientist found in the beginning of the video?
4. What characteristics revealed that the fossil they found was a common ancestor to both apes and humans?
5. Even though some pieces of Lucy’s fossil were missing what could scientists still infer about her brain?
6. What did Lucy’s knees tell us about our ancestor’s in terms of the way they moved around?
7. DEFINE **BIPEDILISM** IN YOUR NOTEBOOKS! Break it up into its roots. What does “bi” mean (think of tri or quad) and what does “ped” mean?