1) Why is the process of reconstructing the environment of hominins difficult?

2) How can sediments tell us the age and environment Ardipithecus lived in?

3) What type of specimens were recovered in order to piece together the type of environment Ardipithecus lived in?

1) What are 3 anatomical features in Ardipithecus that are similar to the ones of chimpanzees? What does this indicate about speculation that we evolved form apes?

2)Why is Australopithecus afarensis considered the most primitive stage of evolution?

3)What was the characteristic that gave us the notion that our greatest common ancestor was not the chimp?

1. What is the function of the os peroneum?
2. Why/How was *Ardipithecus ramidus* considered “unspecialized”?

     3. How does the function of the foot differ for Humans, monkeys, and apes?

1. Where did the *Ardipithecus* live?

2. How can you tell?

3. Did *Australopithecus or Ardipithecus* leave the forest for the savannah?

1. How does the Australopithecus compare to a chimpanzee?

2. What  special characteristic did the “robust” australopithecus have?

3.How is Sahelanthropus more of a hominid than extinct ape?

1. How was Ardi’s skeleton more useful than Lucy’s?  
2. Did the flexibility of the midcarpal joint help the Ardipithecus? How?

3. How is the hand of the Ardipithecus different from the hand of the apes(1 reason)? Why do they have these differences?

1. What does enamel reveal about a creatures diet?

2. Explain the C/P 3 Complex

3. Mix & Match

a. Human                  1. Thin Enamel

b. Ar. ramidus          2. Thick Enamel

c. Chimpanzee         3. Mixed Enamel

1. **How is human locomotion different from other Primates? And how does the pelvis contribute to this?**
2. **Why was it difficult for hominids to run even though their pelvis indicates that they were bipedal?**
3. **How has our arboreal primate heritage and advancement in bipedality influenced our modern day legs?**