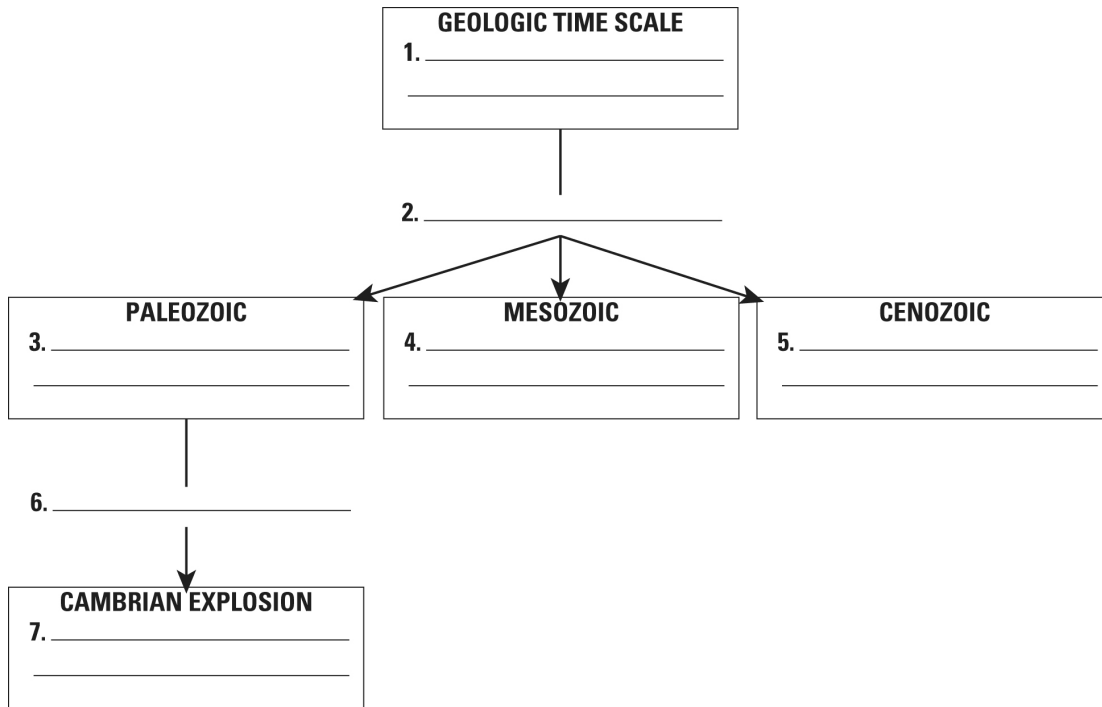Name _____

Homework: Chapter 12 History of Life (class textbook)

B. Vector Vocabulary Define the words in the boxes. On the line across each arrow, write a phrase that describes how the words in the boxes are related to each other.

GEOLOGIC TIME SCALE
1. _____
_____

2. _____

PALEOZOIC
3. _____
_____

MESOZOIC
4. _____
_____

CENOZOIC
5. _____
_____

6. _____

CAMBRIAN EXPLOSION
7. _____
_____

C. Categorize Words Write P next to words that can describe only primates that are not humans. Write H next to words that can describe only humans. Write B next to words that can describe both humans and other primates.

1. _____ prosimian   ____ anthropoid   ____ bipedal

____ hominid

D. Who Am I? Choose among these terms to answer the riddles below:

relative dating	period	prosimian
radiometric dating	epoch	anthropoid
half-life	nebula	hominid
index fossil	ribozyme	
era	primate	

1. I am the amount of time it takes for half of an isotope in a sample to decay into a different element: _____

2. I am made up of epochs and am the most commonly used unit of time on the geologic time scale: _____

3. I am an RNA molecule that can catalyze specific chemical reactions: _____

4. I am a fossil that is used to determine the age of other fossils or rock layers: _____

5. I can be used to estimate when something lived based on comparing where it is found in a rock layer in relation to other rock layers: _____

6. I am the smallest unit of geologic time and I last several million years: _____

7. I am a member of a group of mammals that have flexible hands and feet and forward-looking eyes: _____

8. I am a member of the oldest living primate group and am small with big eyes: _____

9. I can estimate the actual age of a fossil or rock layer by using the decay rate of unstable isotopes in the sample that is tested: _____

10. I am made up of geologic periods and last tens to hundreds of millions of years: _____

11. I am a member of a group of primates that includes monkeys and apes, and my name means "humanlike": _____

12. I am a member of a group of primates whose only living species is modern humans, *Homo sapiens:* _____

13. I am a condensing cloud of gas and dust in space: _____