

Video worksheet: The Origin of Life (Bozeman)

HONORS BIOLOGY: UNIT 8

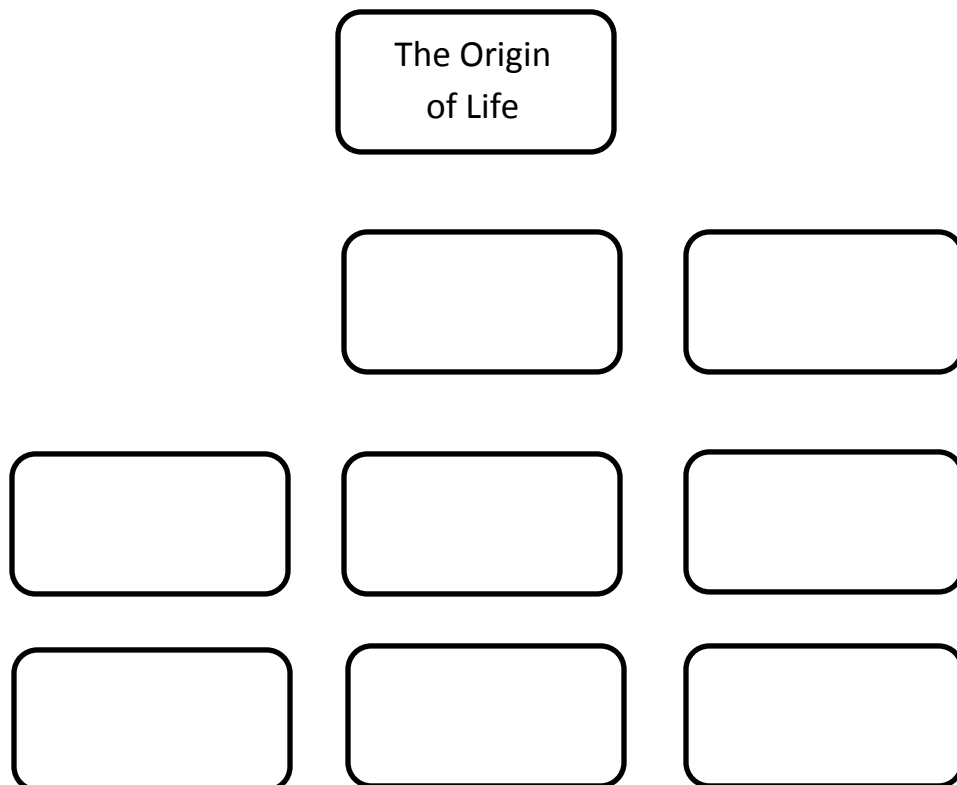
Directions: Answer the questions as you watch the Bozeman video: "The Origin of Life"

1. How old did Lord Kelvin think the earth was and how did he calculate this?

2. How did this estimate of Earth's age concern Charles Darwin?

3. What is the current estimate of the age of Earth and how was it accomplished?

4. Complete the following concept map. (Add arrows and titles)



5. Why was the first era of Earth's history called the "Hadean" era?

6. When did the first life appear on Earth?

7. What was the significance of Earth's early photosynthetic organisms?

8. When did multicellular life first show up on Earth?

9. What did the Miller-Urey experiment try and prove?

10. What is Earth's "LUA"?

11. What characteristics are shared by all living things on our planet?

12. What percentage of DNA do humans share with bananas?

13. What kinds of genes do we share with a banana?

14. How does the development of human culture separate humans from all other animals on this planet?

