Name:

Ch 14 History of Life Quiz

1. List the eight characteristics of life.
2. Earth is \_\_\_\_\_\_\_\_\_\_\_ years old based on \_\_\_\_\_\_\_\_\_\_\_\_\_ using carbon dating and the oldest fossil is\_\_\_\_\_\_\_.
3. In the 1920s Oparin and Haldane said
4. The Earth started with these five chemicals.
5. Explain the Urey-Miller experiment in 1953.
6. Explain what Lerman said in 1986.
7. These two organelles have their own DNA and went inside prokaryotes in a process called --- to live out a process called---.
8. The four reasons mitochondria and chloroplasts are believed to descend from bacteria are.
9. Explain how Redi and Spallanzani helped disprove spontaneous generation.
10. Explain why Pasteur’s experiment is so important.
11. Explain how prokaryotes created our atmosphere today (what and how).
12. Why are ribozymes useful?
13. Which came first RNA or DNA and how do you know (two reasons)?
14. How did our atmosphere get oxygen?
15. Give the timeline of Earth’s history and draw the rock layers on the back.