

Name: _____ Class: _____ Date: _____

Name: Origin (Part II – How Life Began)

Spontaneous Generation:

1. Describe the ancient origins for creating life.
2. Why did scientists at the time believe this caused life?

Ancient Earth:

1. Describe differences between Earth of today, and ancient Earth.

- a. The sun
 - b. The atmosphere
 - c. Climate
- d. What was the theory/belief about?

What did Miller Learn about the Origin of Life?

1. What is the gas present in this area that is important to us?
2. What does this gas smell like?
3. What is formed when hydrogen sulfide gas reacts with water?
4. Describe what “cavitation” can make off.
5. What about this environment makes it so harsh and extreme?

Chemistry and Life:

1. What are the four elements that make up life?
 2. Which one of these four elements is the single most important?
 3. Why is this element so unusual and unique?
 4. What were the three parts of the experiment that Stanley Miller used to simulate ancient Earth?
- a. What was produced as a result of this experiment?
 - b. These molecules are a building block of _____

Geology and Life:

1. If the earliest rocks in Cleveland are too old to contain fossils, how are they linked to one of life's origins at that time?