

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class Period: \_\_\_\_\_

## One Strange Rock: Genesis

### Guided Viewing Worksheet

1. We all come from the same place – a moment when a \_\_\_\_\_ came to life.
2. We are made of the stuff of stars – the carbon, the oxygen, the \_\_\_\_\_, elements that are the key components to our body.
3. These elements were generated inside of stars that \_\_\_\_\_.
4. Lechuguilla Cave is almost \_\_\_\_\_ miles long, making it one of the most complex maze cave systems in the world.
5. Lechuguilla is cut off from the surface world, yet it contains something that is essential for life - \_\_\_\_\_.
6. \_\_\_\_\_ is required for life as we know it, here on the Earth.
7. \_\_\_\_\_ are the basic units of life.
8. When you are looking to find life, the key is to find \_\_\_\_\_.
9. Water is the universal champ at one crucial thing – \_\_\_\_\_ things.
10. With all the liquid water we have, our planet is like some kind of giant \_\_\_\_\_.
11. Even on a sunny day, there is always a chance for \_\_\_\_\_.
12. You and I may only see lightning a few times a year, but the Earth is constantly crackling with \_\_\_\_\_.
13. There are over a \_\_\_\_\_ lightning strikes a second.
14. Life needed \_\_\_\_\_ to get started.
15. Urey and Miller, 2 scientists from the University of Chicago, took the gases thought to be in the Earth's early atmosphere and subjected them to electrical charges. This generated \_\_\_\_\_ molecules, the basic building blocks of life.
16. Billions of years ago, there were many more sources of energy than just lightning. Meteors rained down, there were \_\_\_\_\_ eruptions and super tides churned the seas.
17. Chemicals, water, and energy are all present in one place along cracks in the ocean floor - \_\_\_\_\_ vents.
18. Many scientists believe that this is where \_\_\_\_\_ first got its start.
19. There is one element that acts like a backbone for life and holds it all together. That element is \_\_\_\_\_.
20. Everything in our body has \_\_\_\_\_ in it.
21. Our \_\_\_\_\_ is one of the most complex molecules in the entire universe.
22. Water is a critical \_\_\_\_\_ for life.
23. There is something similar to a soap bubble encasing all living cells - \_\_\_\_\_.
24. Membranes helped keep all the \_\_\_\_\_ building blocks of life together.
25. LUCA stands for the Last Universal Common \_\_\_\_\_ for all life here on Earth.
26. All life today uses the same basic \_\_\_\_\_.
27. Enceladus is a water world, but with a \_\_\_\_\_ rocky center.
28. Earth is special and unique, because it is \_\_\_\_\_ planet, our home.