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.

LIVEWORKSHEETS