Preston High School Geography Department

**THE STORY OF EARTH**

**Part 1**



1. In the beginning (5 million years ago –mya) Earth was 1 of \_\_\_\_\_ planets circling the sun.
2. The newborn planet was a boiling ball of liquid rock at \_\_\_\_\_\_\_bya.
3. The original moon was formed from a ring of red hot rubble and dust. It was only \_\_\_\_\_\_\_\_\_km away from earth instead of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ today.
4. 3900 mya (3.9 bya) Earth is under attack from \_\_\_\_\_\_\_\_\_\_\_\_ from the remnants of the solar system. These contain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a vital ingredient for life on earth.
5. As the meteors bombarded the earth for \_\_\_\_\_\_\_\_\_\_ , water collects on the newly formed solid ground of the earth’s surface.
6. Every drop of water we drink today is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of years old.
7. At this point water covers much of the earth’s surface. Erupting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ create islands which will later joint to form the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. The oceans now have become a giant \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ soup. From the combination of minerals left form meteor showers and sea water circulating through the crust, the earliest forms of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ emerged.
9. At 3.5 bya the earth is primarily covered by a shallow\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (cyanobacteria) grow on the shallow sea floor and look like rocklike mounds. They are really living communities and turn sunlight into food, the first instance of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. In performing photosynthesis, stromatolites fill the oceans with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
12. Over the next \_\_\_\_\_\_ billion years, oxygen levels in the atmosphere rise and it is all due to stromaltolites which can still be seen today.
13. Over billions of years we can see something is rearranging the islands. The earth’s crust has broken into vast \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
14. Deeper still in the earth’s core, movement causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_

forces on the plates. This causes them to move along with the oceans and islands.

1. A new supercontinent is formed called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. 750 mya…. The earth seems to be ripping apart… Heat is causing the great super continent to be ripped in two and in doing so spawned a mass of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Following the absorption of massive amounts of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the the surface rocks the atmosphere is not able to retain heat and the earth cools forming a frozen ball of ice.
4. After ‘snowball earth’ melts, the temperature heats up and is the perfect recipe for life. All the life on earth is in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. At 650 my life now includes plants and animals and is known as the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ explosion.

 An example of life is the trilobite.