

Name: _____ Period: _____ Date: _____

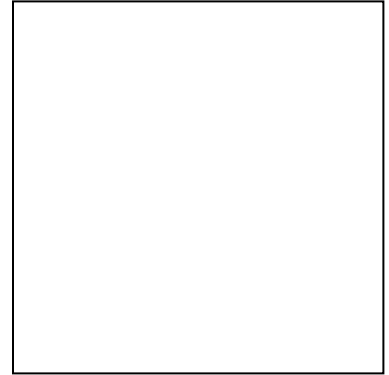
Unit 1, Lecture 1: Intro to the Beginning of Life & Biochemistry

Physicists believe the universe was “created” about _____ by rapid expansion of an extremely hot and dense state. This is known as the _____.

Our sun was “born” about _____ and earth about _____. The first living cells on earth came to be around _____.

Living matter (_____) contains the element _____ & can only form from existing living matter. So where did the first living matter come from? The _____ experiment (shown below) helped scientists answer this question:

Description:



Why can't spontaneous and long-lasting generation of molecules occur in our atmosphere today?

What are the four major classes of organic compounds? Write a brief description of each:

1. _____:
2. _____:
3. _____:
4. _____:

From Molecules to Organisms

What are three important steps required for building, functioning, and organizing macromolecules?

1. _____:
2. _____:
3. _____:


_____ is the key to passing on information and replicating exact copies of _____ in cells.

_____ are a type of protein that assists in _____, _____, and _____.

The Characteristics of Life Are:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

The Hierarchical Organization of Life is:



The three parts to the **cell theory** and the discoverers are:

1. _____
2. _____
3. _____

The cell theory has been expanded in recent history to include:

4. _____
5. _____
6. _____
7. _____