

DIET PALAKKAD - ANAYAKSHI

SAMAGRA SHIKSHA KERALA (SSK)

QUALITY EDUCATION FOR ALL

A JOINT VENTURE OF DIET AND SSK, PALAKKAD

Inter Bell
Intervention Based on Effective Leisure Learning
DIET PALAKKAD

8 The Paths Traversed by Life
ജീവൻ പിന്നിട പാതകൾ

10th Biology Chapter_08 Worksheet based on Focus Area

1.

The stages related to the origin of life are given below. Analyse and arrange them correctly.

- organic compounds
- prokaryotic cells
- chemical evolution
- eukaryotic cells
- multicellular organism
- colonies of eukaryotic cells.

2.

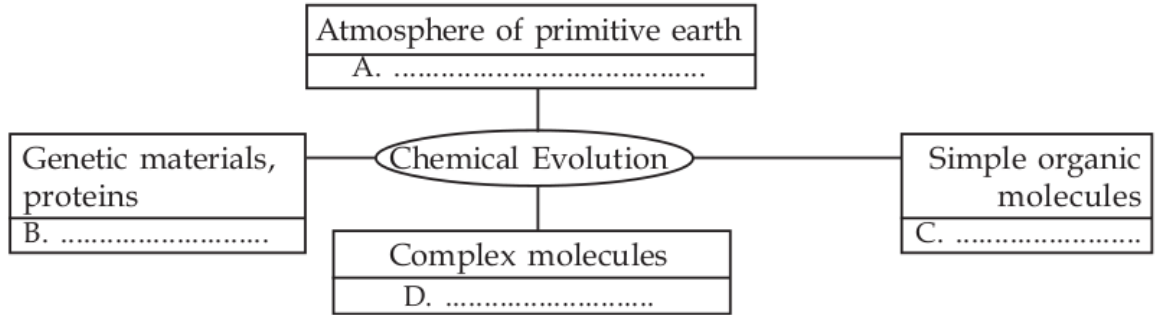
Identify the statements that are related to chemical evolution:

- Life originated in some other planets in the universe and accidentally reached the earth.
- Life originated as a result of the changes that occurred in the chemical substances in water, under specific conditions of primitive earth.
- The theory is supported by the organic substances found in the meteors that fell on earth.
- A.I.Oparin and J.B.S. Haldane are the proponents of the theory.

3.

An illustration related to chemical evolution is given below. Complete the illustration using the information given in the box.

- (i) RNA, DNA
- (ii) Polysaccharides, peptides, fats
- (iii) Presence of H₂, N₂, CO₂
- (iv) Monosaccharides, aminoacids

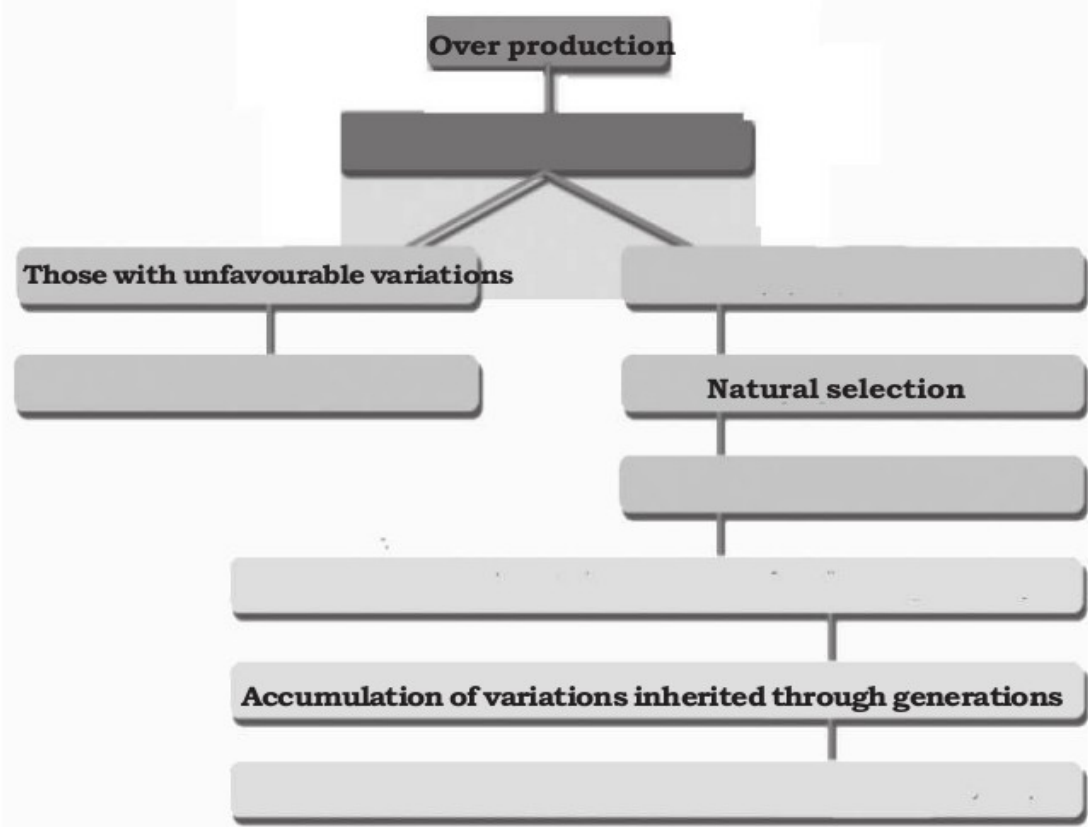


4.

Given below is an illustration of the differences observed by Darwin in the beaks of the finches in the Galapagos island.



Observe the illustration and answer the questions below

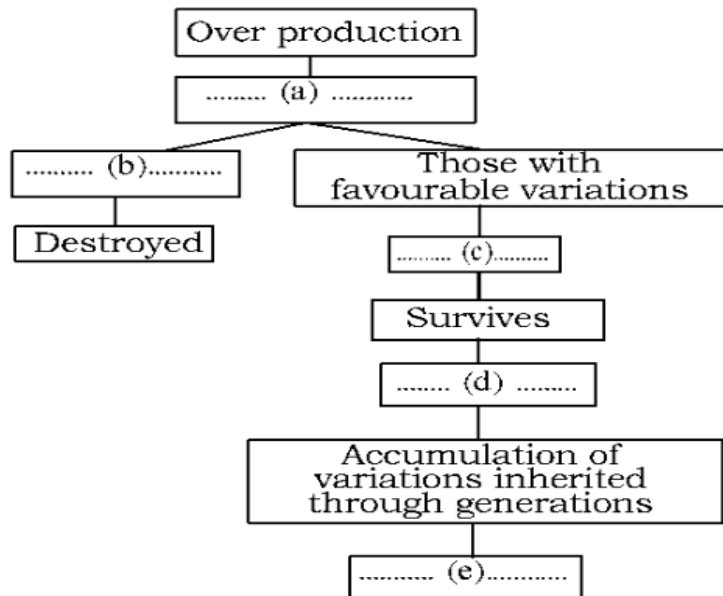


- a) Complete the illustration.
- b) Name the theory which is illustrated?
- c) Who put forward this theory? Explain his findings with the help of suitable example.

6.

7.

Complete the illustration related to the theory of natural selection.



8.

Complete the illustration that list the main concepts of the theory of chemical evolution.

