

SDIYI
AUGUST

CH: 10 LIVING CREATURES : EXPLORING THEIR CHARACTERISTICS

I. Technical terms:

1. Epiblema:

The outer surface of the roots has a thin layer of cells.

2. Lenticles:

Tiny pores on stem and roots that help in gas exchange in plants.

3. Stimulus:

Any thing or event that creates a response in a living organism.

II. Multiple choice question:

1. The roots of the plants grow downwards towards the Earth is called geotropism.

a) geotropism b) Phototropism c) hydrotropism d) Photoperiodism

III. Answer the following

1. Paper is made of cellulose. Trees are the main source of cellulose. So can we say that paper is a living being? Give reason for your answer.

Ans 1) No, Paper is not a living being even though it is made of cellulose, which comes from trees.

- ii) Although paper originates from trees, the process of making paper destroys all the living cells and life processes.
- ii) It cannot grow, reproduce or respond to stimuli, which are characteristics of living beings.

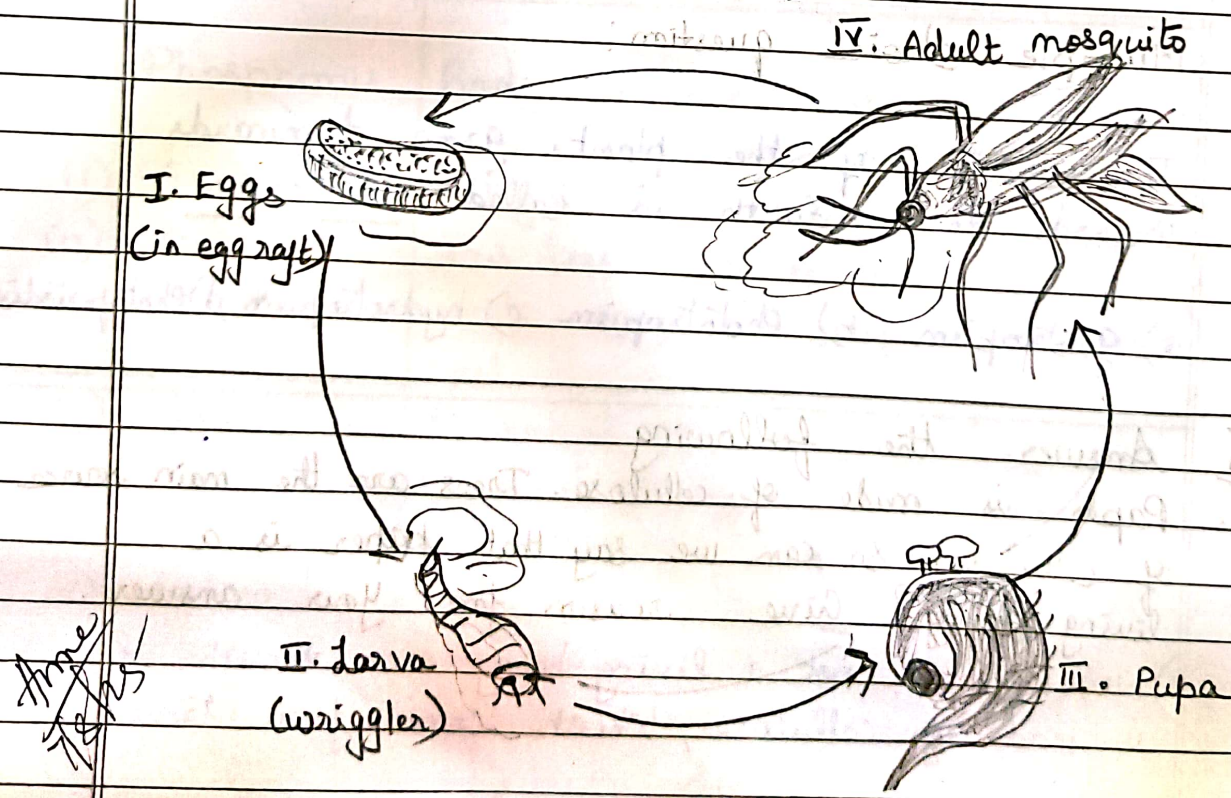
IV HOTS

1. Manoj sees a dog in his garden. He picks up a stone and throws it at the dog. The dog gets hurt and within no time bites Manoj's leg. What is the 'stimulus' and 'response' in this case?

Ans Stimulus : Manoj throwing a stone at the dog.
Response : The dog biting Manoj's leg.

V Diagram

Draw a neat labelled diagram of various stages of development in a mosquito.



Various stages of development in a mosquito