



BIOLOGY

BOOKS - CBSE COMPLEMENTARY MATERIAL BIOLOGY (HINGLISH)

HUMAN HEALTH AND DISEASE

Vsa

1. Name diagnostic test which confirms typhoid.



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2. You have heard of many incidences of Chickengunya in our country. Name the vector of the disease.



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3. Why are the breast-fed babies more immune than the bottle-fed babies?



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4. Name the pathogen which causes malignant malaria.



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1. Where are B-cells and T-cells formed? How do they differ from each other?



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2. Lymph nodes are secondary lymphoid organs. Explain the role of lymph nodes in our immune response.



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3. What is the role of histamine in inflammatory response ? Name few drugs which reduce symptoms of allergy?



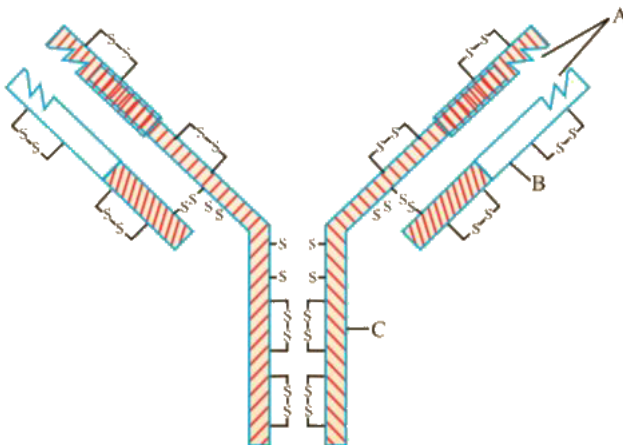
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1. In the figure, structure of an antibody molecule is shown, Observe it and Give the answer of the following questions.

(i) Label the parts A,B and C.

(ii) Which cells produce these chemicals?

(iii) State the function of these molecules.





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2. A person shows unwelcome immunogenic reactions while exposed to certain substances.

(a) Name this condition.

(b) What common term is given to the substances responsible for this condition?

(c) Name the cells and the chemical substances released which cause such reactions.



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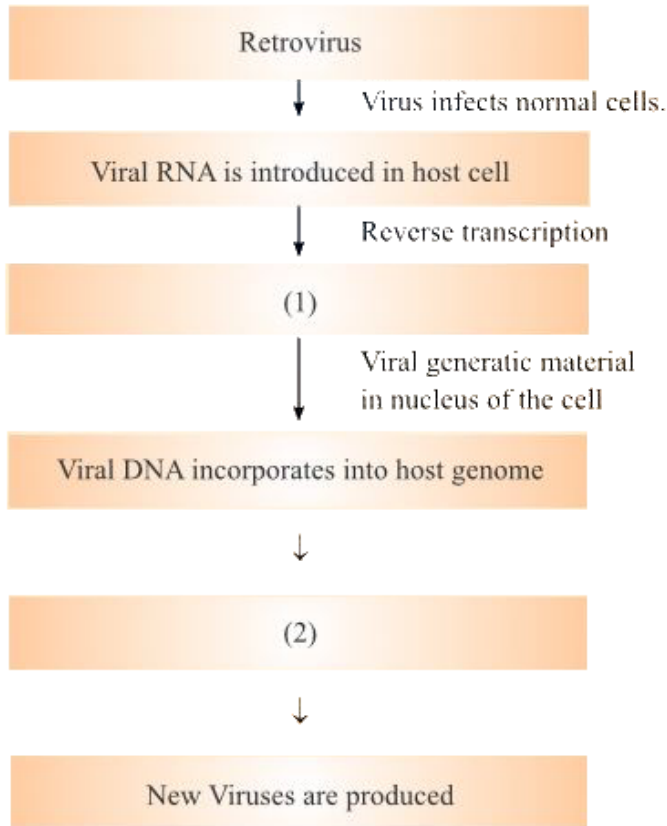
3. In the given flow diagram , the replication of retrovirus in a host cell is shown. Examine it and answer the following questions.

(a) Why is virus called retrovirus?

(b) Fill in the blank (1) and (2)

(c) Can infected cell survive while viruses are

being replicated and released by host cell?



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1. Answer the following with respect to Cancer.

(a) How does a cancerous cell differ from a normal cell?

(b) Benign tumor is less dangerous than malignant tumor. Why?

(c) Describe causes of cancer.

(d) Mention two methods of treatment of the disease.



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2. The pathogen of a disease depends on RBCs of human for growth and reproduction. The person with this pathogen suffers with chill and high fever.

(a) Identify the disease.

(b) Name the pathogen.

(c) What are the causes of fever.

(d) Represent the life cycle of the pathogen diagrammatically.



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3. The immune system of a person is suppressed. He was found positive for a pathogen in the diagnostic test ELSIA.

(a) Name the disease, the patient is suffering from.

(b) Which pathogen is identified by ELSIA test?

(c) Which cells of the body are attacked by the pathogen?

(d) Suggest preventive measures of the infection.



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