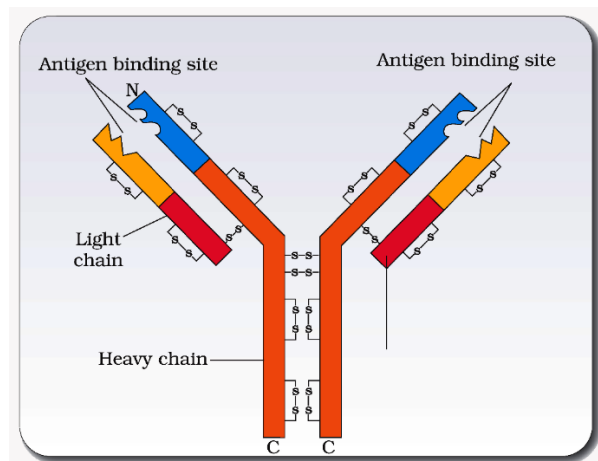
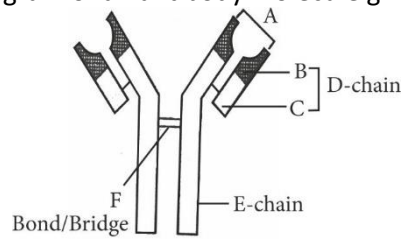


9. Structure of an Antibody molecule



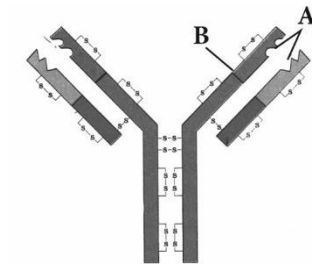
Important questions based on it:

A. Identify A, D, E and F in the diagram of an antibody molecule given below:



(Delhi 2011)

B.

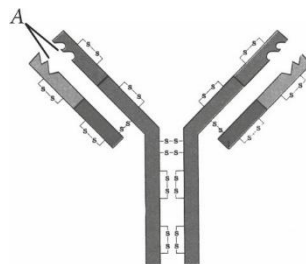


- What does the above diagram illustrate?
- Name the labelled parts 'A' and 'B'.
- Name the type of cells that produces this molecule.

(Delhi 2009)

B.

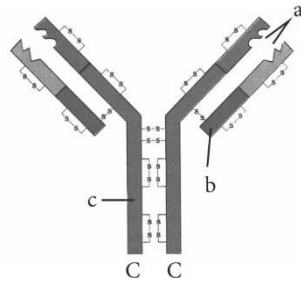
C.



Identify the molecule shown and the site labelled 'A'.

D. Why is this molecule referred to as H_2L_2 ? Explain.

(Delhi 2011C)



E. Identify a, b and c in the schematic diagram of an antibody given above and answer the questions.

(a) Write the chemical nature of an antibody.

(b) Name the cells that produce antibodies in humans.

(c) Mention the type of immune response provided by an antibody. (AI 2010)