

HW

1) AIDS is considered as a preventable disease. why?

A) As no medicine or vaccine is known to be available against HIV infection i.e. infection causing AIDS, the care against AIDS can only be taken by appropriate preventions. The main reason of spreading of AIDS is unprotected intercourse, using infected syringes and blood transfusion from an infected person. Therefore, through a protected intercourse, use of new and disposable syringes and before blood transfusion, ensuring the proper screening of blood for HIV can help us to prevent AIDS. Thus AIDS is considered a preventable disease.

2) How does the body defense against invasion?

The immune system of our body helps us protect our body against invasion. The immune system is made up of special cells, proteins and organs which helps our body fight against the antigens. WBC produced by bone marrow and spleen is a part of the immune system that destroys the antigens. Also the invasion of antigens

trigger the production of antibodies by specialised WBC called B-lymphocytes. Antibodies are the body's defensive cells that defend the body against the invasion of antigens. In this way the body defend itself against foreign invasion

3) Why antibiotics are not effective on viruses?

Antibiotics destroys the micro-organism's i.e mainly bacteria's cell wall which prevents it from further division / multiplication and the bacterial cell thus certain to die. But as viruses do not have a cell wall, the antibiotics cannot work viruses and thus antibiotics are not effective on viruses.