

Hw
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odm connect homework

Q1. Why is immune system essential for our health?

Ans) The immune system of our body is a defence mechanism to fight against pathogenic microbes. It has cells that are specialised to kill infecting microbes and keep our body healthy. If the body's immune system is strong, it can easily fight pathogens, keeping us healthy.

Q2. Why vaccination is considered as prevention of diseases?

Ans) Vaccines are responsible for the control of many infectious diseases. Vaccines contain the same antigens or parts of antigens that cause diseases, but the antigens in vaccines are either killed or greatly weakened. Vaccine antigens are not strong.

enough to cause disease but they are strong enough to make the immune system produce antibodies against them.

Q3. Becoming exposed to or infected with an infectious microbes does not necessarily mean developing noticeable disease. Explain.

Ans) A strong immune system of our body is normally fighting off microbes. We have cells which are specialised to kill the pathogenic microbes. These cells are active when infecting microbes enter the body and if they are successful in removing the pathogen, we remain disease-free. So, even if we are exposed to infectious microbes, it is not necessary that we suffer from diseases.