

Marks

Question 27 (8 marks)

Evaluate the contributions made by both Louis Pasteur and Robert Koch to our present understanding of the causes and possible prevention of infectious diseases.

8

Pasteur and Koch proved that diseases travel through the air and that being infected with less fatal disease, the bodies immune response is built and strengthened to resist the infection of more ~~harm~~ harmful diseases.

Louis Pasteur showed that pathogens and diseases are present in the air that surrounds us. In his experiment he showed that the presence of air can infect and bring upon diseases. This concluded that harmful pathogens are present in the air.

In Robert Koch's experiment he infected a human body with a less fatal disease, cow pox, to build the bodies immune system so to prepare it for more fatal diseases such as small pox. Koch showed that the immune system can be strengthened for the prevention of infectious diseases.

Both Pasteur and Koch contributed to our present understanding of the causes, pathogens being carried by vectors in the air, and possible prevention, immunisation and building the bodies immune response, of infectious diseases.

Koch invented the idea of immunisation.