

# AQA GCSE Biology (Higher) For the Summer 2022 Exams

## Flashcard Notes - 3.1.7 Vaccination

Copy the questions and answers below onto flashcards and use them to test yourself.

### **What is vaccination?**

Vaccination is when a small amount of a dead or inactive form of pathogen is introduced into the body of a human or other animal (usually by injection). It stimulates the white blood cells to produce antibodies against the pathogen. This means that if the pathogen infects the body later, the white blood cells will respond quickly by producing large quantities of antibodies, which will protect the body against the infection.

### **How are vaccines used to prevent the spread of pathogens?**

Vaccinating a large proportion of the population against a pathogen makes it harder for that pathogen to spread. This is because when a person is infected many of the people around them will have a high level of immunity to the pathogen due to being vaccinated. This makes it much less likely that the infected person will pass the pathogen on to another person.