

Combined Science - Biology - Key Stage 4

# Vaccines

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# Independent Practice

Cholera is an infectious disease that causes severe watery diarrhoea, which can lead to dehydration and even death if untreated.

Cholera is caused by a bacteria.

**Describe what is in the vaccine for cholera and how it prevents us from becoming ill.**

Key words:

Weakened, antigens, antibodies, memory cells, bacteria, symptoms, immune



# Independent Practice

1. Which virus has been completely eradicated due to vaccines? (1)

2. If large numbers of the population have been vaccinated, then even those that are not vaccinated are protected as well. Explain why (1).

3. Explain why those infected with cowpox did not get ill from smallpox (4)

