

**GCSE Edexcel Biology**

5.4	Describe a pathogen as a disease-causing organism, including viruses, bacteria, fungi and protists
5.5	Describe some common infections, including: <ul style="list-style-type: none"><li>• tuberculosis (bacteria) causes lung damage</li><li>• stomach ulcers caused by Helicobacter</li></ul>
5.6	Explain how pathogens are spread and how this spread can be reduced or prevented, including: <ul style="list-style-type: none"><li>• tuberculosis- airborne</li><li>• Stomach ulcers caused by Helicobacter- oral transmission</li></ul>
5.12	Describe how the physical barriers and chemical defences of the human body provide protection from pathogens, including: <ul style="list-style-type: none"><li>• Physical barriers, including mucus, cilia and skin</li><li>• Chemical defence, including, lysozymes and hydrochloric acid</li></ul>
5.15B	Discuss the advantages and disadvantages of immunisation, including the concept of herd immunity
5.16	Explain that antibiotics can only be used to treat bacterial infections because they inhibit cell processes in the bacterium but not the host organism
5.22B	Explain the use of monoclonal antibodies, including: <ul style="list-style-type: none"><li>• In treatment of diseases including cancer</li></ul>