

AQA Biology		Covered in Lesson	Diagnosis			Revised		
B1.3 Infection and Response			R	A	G	1	2	3
B1.3.1 Communicable diseases	Explain what a pathogen is and how pathogens are spread (inc how viruses, bacteria, protists and fungi are spread in animals and plants)							
	Explain how pathogenic bacteria and viruses cause damage in the body							
	Explain how the spread of diseases can be reduced or prevented							
	Describe measles, HIV and tobacco mosaic virus as examples of viral pathogens							
	Describe salmonella food poisoning and gonorrhoea as examples of bacterial pathogens							
	Describe the signs, transmission and treatment of rose black spot infection in plants as an example of fungal pathogens							
	Describe the symptoms, transmission and control of malaria, including knowledge of the mosquito vector as an example of a protists pathogen							
	Describe defences that stop pathogens entering the human body (inc skin, nose, trachea & windpipe, stomach)							
	Recall the role of the immune system							
	Describe how white blood cells destroy pathogens							
	Describe how vaccination works, including at the population level							
	Explain how antibiotics and painkillers are used to treat diseases, including their limitations							
	Describe how sources for drugs have changed over time and give some examples							
	Describe how new drugs are tested, including pre-clinical testing and clinical trials (inc double blind trials and placebos)							
B1.3.2 Monoclonal antibodies	Bio & HT ONLY: Describe what monoclonal antibodies are and why they are useful							
	Bio & HT ONLY: Describe how monoclonal antibodies are produced							
	Bio & HT ONLY: Explain how monoclonal antibodies are used for diagnosis, research, chemical testing and disease treatments							
	Bio & HT ONLY: Evaluate the advantages and disadvantages of monoclonal antibodies (inc side effects)							
	Bio & HT ONLY: Describe some observable signs of plant disease, and how plant diseases can be identified							
B1.3.3 Plant disease	Bio ONLY: Give examples of plant pathogens							
	Bio ONLY: Give examples of plant ion deficiencies and their effects							
	Bio ONLY: Describe physical, chemical and mechanical defence responses of plants							