## Infection & Response

## Reading – page 43-48 higher, page 42-48 foundation

## <u>Knowledge</u>

1. What is a 'pathogen'?
2. Name the two ways pathogens can make us ill
3. Where do viruses reproduce?
4. Name the 3 ways that white blood cells fight pathogens and their effects
5. What is in a vaccine?
6. What is 'phagocystosis'?
7. What is a pandemic?
8. What is meant by a 'vector' in infectious disease?
9. What are antibiotics?
Apply
1. Describe how a virus infects the body and causes illness
2. Explain how white blood cells fight pathogens that do get into the body (3 ways)
3. Explain why antibiotics cannot be used against viruses
4. Explain how a vaccine for the virus Polio stops a person becoming ill from the disease

Va	accination pro	grammes		
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6	Complete the	e table below for common infectious disea	292	
of complete the table below for common infectious discuses				
nfection	Туре	How it's passed on & symptoms	Reduction of spread/ Treatment	
HIV	virus			
	VII US			
Measles				
Tobacco		Mosaic pattern on leaves means		
Mosaic Virus		reduced photosynthesis.		
Gonorrhoea				
Salmonella			Cook food thoroughly (especially chicken)	
			Vaccinate chickens	
Malaria				
Rose black	fungus			
spot	Tuligus			
spot				

How it prevents infection

5. Describe how the following measures help to stop the spread of disease:

Mechanism

The trachea is lined with cells that produce

mucus and have cilia on the surface

The skin can form scabs when cut

The stomach contains hydrochloric acid

Washing hands .....

Spraying insecticides.....