0 1 . 1	Give 3 ways white blood cells protect us from pathogens 1. engulf (pathogens)	
	2. produce antitoxins (to destroy toxins/poisons released from	m bacteria)
	3. produce antibodies	
01.2	Describe how a person develops a natural immunity to a commu like chicken pox	nicable disease
	pathogen invades body and has surface markers/proteins called antigens [1]	
	'foreign' cell/antigen recognised by immune system/white blood cell [1]	
	white blood cell makes an antibody [1] that specifically match the antigen [1]_	
	antibodies cause pathogens to clump together [1] so they can easily be engulfed	
	(by other white blood cells) [1] or they stop pathogen entering cells [1];	
	antibodies circulate in the body and are made rapidly and instar	ntly on the 2nd
	invasion by that pathogen [1]	[6 marks]
0 1 . 3	To immunise a person against chicken pox a vaccine is needed. I vaccine can stop a person contracting chicken pox in future.	Describe how a
	dead/inactive pathogen injected or given to a patient [1]; white antibodies [1] against the antigens (on the dead/inactive micros stay in circulation [1] if live pathogen infects a person, antibodie and in large numbers [1]	blood cells make be) [1] antibodies es made quickly
		[3 marks]
0 1 . 4	Suggest the main benefit of vaccinating lots of people against a	disease
	herd immunity/prevent epidemics or pandemics.	[1 mark]
		[]
WARNING : the ANTIBIOTIC m correctly	ere is always confusion over the terms ANTIGEN, ANTIBODY, ANTI ake sure you are fully aware of their different meanings and use th	TOXIN, ne words