## AP Biology 023 – Plant and Animal Defenses Video Review Sheet

1. Pathogens are things that

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2.	To defend ourselves: a. Nonspecific: kills anything the	nat		
	b. Specific: identify	and then	them	:
	i. Humoral response: B cells will produce a			
	ii. Cell-Mediated response: targeting cells in our body that are, major killer cells are called:			
3.	What types of nonspecific responses do we have? (Examples):			
4.	Hypersensitive response of plants: they have a gene. Plants will set off a oxidative, which will the plant cells that are infected and it will cause their cell to change as well. This stops the infection. However it doesn't have a so it can be infected again by the same pathogen.			
5.	We have nonspecific responses too, swelling, inflammation etcbut we also have a specific response,once we have an infection we can't:			
6.	Jenner noticed that maids were picking up cow were given an to Smallpox.			
7.	Y shaped proteins, antibodies, mark the so it can be eaten but they also stick the virus' together.			
8.	Which type of cell secretes antibodies?			
9.	9. An antigen is an antibody-			
10.	The Process: a. An antigen is eaten by	cell and preser	it its proteins on its	
	b. The Helper T cell will recog	nize the	of that antigen and	activate:
	c. What are the two types of B	cells and what do the	y do?	
	d. Helper T cells will also activ	rate Killer T cells that to	arget	cells.
11.	What does HIV infect?			
12.	Why is the secondary exposure no	t even noticed by us?		