

С	Class	Date
	Conceptual	Biology
Chapter 15: Prot Excretory System—conti	ecting Health	
4. Fluid leaves the <u>Cap</u>	illaries of the circulator	y system and enters the
part of the nephron ca	lled Bowman's capsule	
5. Two parts of the neph	ron where water is reabsorbed by the body are the	2
Loop of Henle	and the collecting duct	
	The attention a community gives the maintenance of its infrastruc- is a measure of the value of tha community. Likewise with the car and maintenance of your body.	to cture t re

16	Class	Date
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Chapter 15: Protecting <i>Immune System</i>	Health	
1. Describe the role of each part of t	the immune system.	(10 -5)
a. Skin keeps pathogens fr	rom getting into the body.	
b Mucus A layer of mucus	covers all our mucus membranes	s. Mucus
helps tran nathogens		
Engineering for the second wills.	ill bactoria	
c. Enzymes in tears and milk \underline{K}		
d. Inflammatory response <u>In tr</u>	ne inflammatory response, swellir	<u>ng helps isolate</u>
In addition, innate imm	une cells attack pathogens that h	ave entered the body.
e. Antibodies <u>Antibodies Dir</u>	in to antigens on pathogens. This	prevents the
pathogens from function	ning properly or causes antigens t nomune cells	to clump together, making them
Columbation Columbatii Columbation Columbation Columbation Columbation Columba		
the immune response.	is produce ciones, many copies or	themselves, for strengthening
g. B cells B cells attack pat	thogens in bodily fluids (blood or l	lymph).
h T cells T cells attack pat	bogens that are inside the body's	
i Memory cells Memory cel	lls remain in the body for a long ti	ime after an infection. If
the same nathogen atta	icks the body again, the memory	cells start an immediate
aggressive attack.	ieks the body again, the memory	
2 Explain how a vaccine works	Most vaccines contain either dead	
2. Explain now a vacenie works. <u>I</u>		
pathogens or weak versior	ns of a pathogen. Or they use only	
part of a pathogen—maybe	e part of a virus's protein coat or	part of
a bacterium's cell wall. The	e acquired immune system reacts	to antigens
in the vaccine just as it wo	ould react to the real pathogen. It	makes antibodies and
<u>-most importantly-memory</u>	ory cells. If the real pathogen eve	er shows up, the acquired