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The Body's Defenses

Directions: In the blank's provided, fill in the letters of the term or phrase being described.

1. a disease-causing agent	_	<u>A</u>	_	_	_	_	_	_													
 layers of epithelial tissue that serve as barriers to pathogens and produce chemical defense 	M	_	_	_	_	_		<u>M</u>	_	_	_	_	_	_	_	_					
3. a series of events that suppress infection	-	_	_	<u>L</u>	_	—	_	_	—	_	-	—		_	<u>E</u>	—	_	_	-	_	_
 chemical that causes local blood vessels to dilate 	_	_	_	Τ	_	_	_	_	_												
5. a defense mechanism with 20 different proteins	-	_	_	_	_	_	<u>M</u>	_	—	—		—	<u>Y</u>	_	—	_	_				
a protein released by cells infected with viruses	-	_	_	_	_	<u>F</u>	_	_	—	—											
7 a white blood cell that releases chemicals that kill pathogens	<u>N</u>	_	_	_	_	_	_	_	_	_											
 a white blood cell that ingests and kills pathogens 	-	_	_	<u>R</u>	_	_	_	_	_	—											
9. destroys an infected cell by puncturing its membrane	<u>N</u>	_	_	_	_	_	_		_	_	_	L	_	_		_	_	_	L		

Directions: Use the terms from the list below to fill in the blanks in the following passage.

antibodies antigens	B cells cytotoxic T cells	helper T cells plasma cells					
White blood cells are produced in bo	one marrow and circulate in blood and	d lymph. Four main kinds of white					
blood cells are involved in the immu	ne response. Macrophages consum	e pathogens and infected cells.					
(10)		attack and kill					
infected cells. (11)		_ label invaders for later					
destruction by macrophages. (12) _							
activate b	both cytotoxic T cells and B cells. An	infected body cell will display					
of an invader on its surface. These are substances that trigger an immune							
response. In an immune response,	B cells divide and develop into (14) _						
, which re	elease special defensive proteins into	the blood. These special proteins					
are called (15)	·						

Directions: In the space provided, write the letter of the description that best matches the term or phrase.

16. Koch's postulates a. body's overreaction to a normally harmless antigen _____ 17. immunity b. when the body launches an immune response against its own cells 18. vaccination c. a medical procedure used to produce resistance _____ 19. vaccine d. the virus that causes AIDS _____ 20. antigen shifting e. a guide for identifying specific pathogens 21. autoimmune disease f. resistance to a particular disease ____ 22. AIDS g. a solution that contains a dead or modified pathogen that can no longer cause disease _____ 23. HIV h. acquired immunodeficiency syndrome i. when a pathogen produces a new antigen that the immune _____ 24. allergy system does not recognize _____ 25. CD4 j. receptor protein recognized by HIV