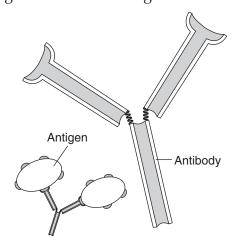
Name	Class		Date
Section 40–2 The Im	mune System	(pages 1036-	-1042)
TEKS FOCUS: 10A Functions	of the immune system		
This section describes the body's dand explains what immunity is.		?-causing organi	sms
Introduction (page 1036)			
1. The body's main defense a	gainst pathogens is	the	·
Match the type of defense with its	role in the body.		
Defense	Role		
2. Nonspecific	a. Destroying harmful pathogens that enter t		s that enter the body
3. Specific	b. Preventing pathogens from entering the body		
Nonspecific Defenses (pa	ages 1036–1038)		
4. What is the job of the body		se?	
5. List the four components of a	c	e of defense.	
6. Is the following sentence to is the skin.	rue or false? The bod	ly's most impo	rtant nonspecific defen
7. How does mucus help pro-	tect the body from d	isease?	
8. Body secretions contain an	enzyme, called		, that kills bacteria.
9. When does the body's second	-		
10. Is the following sentence to	rue or false? The infl	ammatory resp	ponse is a nonspecific
reaction to tissue damage of	caused by injury or i	nfection	
11. White blood cells called		· ·	•
12. Why does an increase in the dealing with a serious infection			•
13. An elevated body temperat	ure is called a(an)		·

- 14. Circle the letter of each sentence that is true about elevated body temperature.
 - a. It kills many pathogens.
 - **b.** It speeds up the action of white blood cells.
 - **c.** It decreases heart rate.
 - d. It slows down chemical reactions.
- **15.** Is the following sentence true or false? Interferon is a protein that helps fight bacterial infections. _____

Specific Defenses (pages 1038–1041)

- 16. What is the immune response?
- 17. A substance that triggers the immune response is known as a(an) ______.
- 18. What are some examples of antigens? ______
- **19.** List the two different immune responses.
 - a. ______ b. ____
- **20.** Circle the letter of each sentence that is true about humoral immunity.
 - **a.** It is a response to pathogens in body fluids.
 - **b.** It depends on lymphocytes.
 - c. It involves antibodies.
 - **d.** It involves plasma cells.
- 21. A protein that helps destroy pathogens is called a(an) ______.
- 22. Is the following sentence true or false? Antibodies can fight viruses but not bacteria.
- 23. Label the antigen-binding sites in the drawing below.



Naı	me	Class	Date			
24.	Is the following sentence true or false? Plasma cells are specialized B cells.					
25.	What happens once the body has been exposed to a pathogen?					
26.	Circle the letter of each a. It is a defense agains	sentence that is true about cell-med	liated immunity.			
	b. It involves killer T cec. It involves antibodiesd. It causes pathogen ce	lls.				
27.	Is the following sentence true or false? Cell-mediated immunity is particularly important for diseases caused by prokaryotic pathogens.					
Ac	quired Immunity (_F	pages 1041–1042)				
	The first smallpox vaccine was produced by					
30.	How do vaccines work?					
31.	Complete the Venn diag	ram by labeling the two types of in	mmunity.			
	Is due to antigens Lasts for life	Can result from vaccination	Is due to antibiotics Lasts for a short time			