Learning Target 5.4

I can recognize that the immune system combats pathogens and cancer

The Immune System Video

a. organs b. tissues c. cells d. a, b, and c	005			
2. What are 4 threats to Nate's Health?				
V B	i man ka			
F	H			
3. Click on the blinking file in the lower right-hand corner? How many known cold viruses are there?				
4. If pathogens or invaders get past your first line of defense, skin and mucus, then your immune syster things.	m tries to do 4			
Indentify the RidsHealth				
• Call for				
•the invaders.				
•the invaders.				
Remember the				
5. Match the cells with their mission.				
Macrophage A. Devour invaders and help launch immune system attack	ζ.			
M- Memory Cells B. Recognize invader antigens and call in back up				
Helper T- Cells C. Swallow up the tagged viruses.				
B-Cells D. Destroy cells that are infected.				
K-Killer Cells E. Patrol area and surround the alarm if a virus comes back	⟨ .			
C- Cytotoxic T-Cells F. Make antibodies that tag the viruses.	Make antibodies that tag the viruses.			

Immune System Web Page Article

<u>Directions:</u> Read the web page article and fill in the blanks below.



To be	means to be protected. So it makes s	sense that the body	system that helps fight off sickness is
called the immune s	ystem. The immune system is made up of a ne	twork of	, tissues, and
	that work together to protect the body.		
White blood cells, als	so called leukocytes, are part of this defense sy	/stem. There are tw	o basic types of these germ-fighting
cells:			
	which chew up in		
L	which allow the b	ody to remember a	nd recognize previous invaders
Leukocytes are found	d in lots of places, including your	, an or <u>c</u>	gan in your belly that filters blood and
helps fight infections	s. Leukocytes also can be found in	, which is	s a thick, spongy jelly inside your bones
Your lymphatic is ho	me to these germ-fighting cells, too. You've en	ncountered your lym	phatic system if you've ever had
swollen "glands" on	the sides of your neck, like when you have a $_$		$_$. Although we call them "glands," they
are actually	and they contain clusters	of immune system	cells. Normally, lymph nodes are small
and round and you o	don't notice them. But when they're swollen, it	means your	·
Lymph nodes work li	ike filters to remove germs that could hurt you	u. Lymph nodes, an	d the tiny channels that connect them
to each other, contain	in lymph, a clear fluid with leukocytes		in it. Beside your neck,
where else do you ha	ave lymph nodes? Behind your knees, in your a	armpits, and in your	groin — just to name a few.
So you have this gre	eat system in place. Is it enough to keep you fro	om getting sick? We	ell, everyone gets sick sometimes. But
your immune system	n helps you get well again. And if you've had yo	our shots, your bod	y is extra-prepared to fight off serious
illnesses that your in	mmune system alone might not handle very we	ll. If you get the sh	ot that covers measles, for instance, it
can protect you from	n getting measles, if you're ever exposed to it.		
Immune System	m Problems		
Sometimes a person	has a problem with his or her immune system	l•	are one kind of problem — the
immune system	and treats something harmless	, like peanuts, as so	omething really dangerous to the body.
With certain medical	conditions, such as	or juvenile rh	eumatoid arthritis, instead of fighting
	system fights the		
system problems ma	ay develop due to an illness like HIV/AIDS or		
You can't prevent me	ost immune system	. But if t	hey happen, they can be treated with
	er ways to help the person feel good and be hea		
	th you ways to take care of yourself so you stay		
-	ze in	_	