## U5:L1 THE IMMUNE SYSTEM

PROTECTION	
What is "protection" in terms of human biology?	
CONTROL	
What is "control" in terms of human biology?	
What is control in terms of haman shology.	
Our body's immune system works to	•
is the body's capability to	

What are some of the BAD GUYS that our immune system fights against?

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CARCINOGENS						
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PARASITES						
THMCHC						
FUNGUS						
TOXINS						
IUAINS						
	GERMS SPREADING					
•Viruses can be transferre	ed from dry smooth surfaces up to					
after being contaminated						
•Some viruses can travel	on					
•Bacteria doubles every _						
•5 bacteria at 12 noon =	10 million bacteria by 7pm					
•3 days with no bacteria dying = enough to cover the Earth!						
Human skin is a virtual zoo, according to U.S. researchers, who found						
	of bacteria on the forearms of test subjects					

## 3 LINES OF DEFENCE — THE 1ST LINE

This line of defense is referred to as This means that it	
The first line of defense includes:	<u>.</u>
• skin	
– line t reproductive and gastrointestinal tracts. Trap in and expel it from the body by the wave-like moti coughing and sneezing.  •	he respiratory, urinary, vaders in sticky mucous on of the cilia as well as
INNATE/NATURAL IMMUNITY	·
CHEMICAL EXAMPLES:	
• Skin has an acid pH (	) to kill bacteria
Stomach acid AND Body temperature	
PHYSICAL EXAMPLES:	
• Skin and mucous membranes act as mechanical barriers	

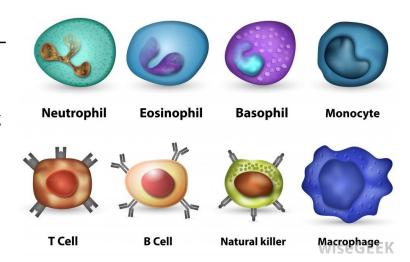
sweep mucous and trapped particles to the throat to be expelled

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Phagocytes are cells that \_\_\_\_\_

(phagocytosing) harmful foreign particles, bacteria, and dead or dying cells.

Their name comes from the Greek phagein, "\_\_\_\_\_\_" and "-cyte", the suffix in biology denoting "



## **INFLAMMATION**

Occurs when tissue is damaged by \_\_\_\_\_

- Causes \_\_\_\_\_
- Goal is to

**EXAMPLES...** 

1.

2.

3.

4.

