

# Mini Lesson#1 Overview of Immune System Notes

**AIM:** How does our immune system protect our body?

**Do Now:** What are ways you can prevent from getting sick?

\_\_\_\_\_



"You've become run down from working too much. Try sneezing on your boss."

## NOTES

### What is the function of the Immune System?

Fight against \_\_\_\_\_ organisms that cause \_\_\_\_\_ diseases.

### What causes disease?

An organism that causes an infection or disease is called a \_\_\_\_\_.

Types of pathogens include \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

### Different types of defenses

1. \_\_\_\_\_ Defense -- physical and chemical barriers to fight off \_\_\_\_\_ pathogens. EX: \_\_\_\_\_ and \_\_\_\_\_.

2. \_\_\_\_\_ Defense -- fights \_\_\_\_\_ type of pathogen  
EX: \_\_\_\_\_

### Three Lines of defense

1. The \_\_\_\_\_ Line of Defense. -- \_\_\_\_\_, Physical Barriers (skin), and Chemical Barriers-EX: \_\_\_\_\_ and stomach acid.

2. The \_\_\_\_\_ Line of Defense- \_\_\_\_\_, and \_\_\_\_\_ - reaction of the body that causes fever, swelling, and redness.

### What is the Inflammatory Response? Here is the Steps!!

- \_\_\_\_\_ enters the body tissue and causes damage.
- Macrophages (\_\_\_\_\_) move into the tissues.(Squeeze out of the capillaries at the site of the cut)
- Phagocytes \_\_\_\_\_ and \_\_\_\_\_ all pathogens and damaged cells.
- Once the area has been cleaned the phagocytes die.

