

Fighting The Flu

Before we start, jot down a few notes on what you already know about the immune system by answering the following questions:

1. What is a virus?
2. How are viruses exceptions to cell theory?
3. What is a *pathogen*?
4. What are some other types of organisms that cause disease?
5. What parts of your body are involved with fighting off infection?

Our immune systems are very complex. It has to be as the evolution of pathogens makes for some crafty critters to fight off. Some of the parts of the immune system are listed below. For each one, please describe its function in the immune response. They are listed in the order of presentation in the film.

Nose hairs:

Mucous enzymes

Winding nasal passages

Natural killer cells

Macrophages

Cilia lining the trachea

Interleukins

Body temp changes

Dendritic cells

T-cells

B-cells

Antibodies

Memory cells

You should be able to briefly explain what is happening on a cellular level as the body is invaded