

## Immune System Activity DISEASE DETECTIVE

1. <http://www.pbs.org/wgbh/nova/typhoid/dete-flash.html>

Notes:

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## How Does the Body Protect Itself from Foreign Invaders?

2. [http://www.glencoe.com/sites/common\\_assets/science/virtual\\_labs/LS27/LS27.html](http://www.glencoe.com/sites/common_assets/science/virtual_labs/LS27/LS27.html)

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## Immune System Web-Quest

3. <http://teacherweb.ftl.pinecrest.edu/santarm/Immune%20System%20Webquest.htm>

1. Go to Anatomy of a Splinter

<http://www.cellsalive.com/ouch1.htm>

Make sure to click on the links for chemotaxis, phagocytosis, and oxidative burst. Watch the movies under each link.

- How do macrophages find pathogens?
- How do they eat pathogens?
- How do cytotoxic T lymphocytes kill cells?

2. Play the game "fighting back" (must read "what happened" after game)

<http://www.pbs.org/wgbh/nova/aids/immune.html>

- Why are helper T-cells required in an immune attack?
- What are complements?
- What remains in the body after an immune battle?
- How does the HIV virus disrupt the immune system?

3. Go to the Immune System Overview

<http://www.niaid.nih.gov/final/immun/immun.htm>

- What are the two major classes of lymphocytes?
  - In what part of the body are they found?
  - What are the functions of antibodies?
  - What are the two types of T lymphocytes? What do they do?
  - How do antibodies get produced in mass quantities?
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