Quiz Outline: Immune System and the Spread of Disease (Science 8)

OVERVIEW:

Topic 1.5

LEARNING MAP CRITERIA: LIFE PROCESSES ARE PERFORMED AT THE CELLULAR LEVEL

Relevance	Extending	Proficient	Developing	Emerging
☑	Explain the effect that the failure of one or more elements of the immune system will have on the immune system and the body. Describe challenges that pathogens face when trying to infect a body. Describe challenges that the immune system could face when fighting off potential pathogens.	Compare and contrast the three lines of defense. List the elements of each line of defense and explain their functions.	Define pathogen. Explain why the body has multiple lines of defense in its immune system. List or match elements of each line of defense.	
☑	Compare and contrast outbreaks, epidemics, and pandemics in a nuanced way. Explain the importance of each of the terms (outbreak, epidemic, pandemic) in classifying the spread of disease from a public health perspective. Explain how diseases can spread unknowingly. Explain the importance of contact tracing when outbreaks occur.	Identify examples of outbreaks, epidemics, and pandemics. List some similarities and differences between outbreaks, epidemics, and pandemics.	Define outbreak, epidemic, and pandemic. List precautions that can be taken to reduce the spread of disease.	

VOCABULARY:

(Disclaimer: This is not meant to be an exhaustive list. Vocabulary words may appear on the test that are not in this list.)

- Pathogen
- Immune system
- First line of defense
    - Skin
    - Hairs
    - Mucus
    - Cough
    - Sneeze
    - Stomach acid
- Second line of defense
    - Inflammation
    - White blood cell
- Third line of defense
    - T cell
    - B cell
    - Antibody
- Outbreak
- Epidemic
- Pandemic
- Patient zero

PRIMARY STUDY MATERIAL:

- Powerpoints:
    - 1.5 Powerpoint + any in-class notes
    - Outbreaks, Epidemics, and Pandemics
- Textbook pg. 46-52
- Practice:
    - Outbreaks, Epidemics, and Pandemics article
    - Textbook questions pg. 55
    - Workbook questions pg. 37-45
    - Spread of Disease Lab