

Infections and Health Guided Notes

Directions: Preview the notes before reading the lesson. As you read the lesson, fill in the guided notes.

1. Our Relationship with Germs: It's Complicated

Talk Like a Scientist: Record any key terms and definitions that are unfamiliar to you.

Key Term(s)	Definition(s)

2. Curious Minds

Focus Question: What are the benefits and limitations of scientific experiments and other types of investigations?

Not everything in science is a proper experiment. Complete the table to give examples, benefits, and limitations of experiments and other types of investigations.

Types of Investigation	Examples	Benefits	Limitations
Experiment			
Other types of investigation			

3. Path-o-gens

Focus Question: What pathogens cause infectious disease?

- What is a pathogen?

Complete the table to describe and give examples of the four main human pathogens.

Pathogen	Description/ Examples
Bacteria	
Fungi	
Parasite	
Virus	

Focus Question: How are pathogens spread?

- Describe two ways that pathogens can be spread.

4. The Body's Guards

Focus Question: What is the role of the immune system?

- Describe the general function of the immune system.
- Choose three organs/parts of the immune system and describe them.
 - 1.
 - 2.
 - 3.
- What is a lymphocyte and what does it do?

5. All Systems Down

Focus Question: How do infectious diseases affect body systems?

Complete the table by identifying the body system most affected by the bacteria or virus and the description listed.

Bacteria or Virus	Description	Body System Most Affected
Food poisoning	Causes vomiting, stomach cramps, a severe diarrhea	
Tuberculosis	Causes coughing and chest pain	
Polio	causes paralysis (the inability to move)	
Lyme disease	causes an infection in the heart tissue by spreading through the blood	

6. You Can't Catch It

Focus Question: What are noninfectious diseases, and how do people get them?

- What is a noninfectious disease?
- What does it mean if a noninfectious disease is inherited?
- What does it mean if a noninfectious disease is influenced by the environment?
- Give an example of two hereditary noninfectious diseases.
- Give an example of two noninfectious diseases influenced by the environment.

7. Summary and Assessment

Use your notes and write two questions that you think could be asked during your discussion-based assessment. Record your two questions below.

Questions

