

Infectious disease 9.1 and 9.2

Date _____

Last Name _____ First _____ period ____

1. Disease and Pathogens

- Microscopic critters are called _____.
- Microbes that cause disease are called _____.
- A disease that can pass from one critter to another is called a _____

2. Joseph Lister

- In his early career how many of his patients died from surgery? _____
- What was his hypothesis about what caused infection? _____
- How did he test his hypothesis? _____
- What was the result of his hypothesis? _____

3. Louis Pasteur

- What kind of host critter did Pasteur study? _____
- What did he prove? _____
- What was his hypothesis about disease in humans? _____
- What is the pasteurization of milk? _____

4. Robert Koch

- What did Koch notice when he studied tissue of TB patients? _____
- What was Robert Koch's hypothesis? _____
- What causes pneumonia? _____
- What causes strep throat? _____

5. Name 4 kinds of microscopic pathogens.

- _____
- _____
- _____
- _____

6. Bacteria

- Describe bacteria
- Describe two ways bacteria can harm cells.
 - _____
 - _____

7. Virus

- Compared to bacteria, how large are viruses? _____
- What's on the outside of a virus? _____
- What's on the inside of a virus? _____

8. Virus Reproduction

a. Describe 5 steps of virus reproduction.

1. _____
2. _____
3. _____
4. _____
5. _____

9. Give some examples of **viral diseases**. _____

10. Fungus

- a. Give some examples of fungi. _____, _____, and _____
- b. How do fungi reproduce? _____
- c. Give some examples of fungi infections. _____

11. Protist

- a. Compared to bacteria and viruses, How large are protists? _____
- b. Give an example of a specialized structure of a protozoa. _____
- c. Give an example of a disease caused by a protist. _____

12. Why do **people get disease**? _____

- a. What are four things a body can provide a microbe
 - i. _____
 - ii. _____
 - iii. _____
 - iv. _____
- b. Give an example of how an infected person can provide a way for pathogens to spread _____

13. Name three ways **disease can spread**.

- a. _____
- b. _____
- c. _____

14. What is a **disease vector**?

- _____
- _____
- a. What is the vector for malaria? _____

15. Are all microbes harmful? Name one that isn't. _____

16. Watch the video . Answer the questions

- a. What kind of pathogen infected Holly? _____
- b. How was the pathogen transferred to her? _____
- c. What was her first line of defense against the pathogen? _____