

Understanding Bacteria Video Notes

03/09

Integrated Science 2

Redwood High School

Name: _____

Per: _____

■ Part 1.

1. What is the greatest cause of death in human history?
2. What percent of bacteria cause disease?
3. List common places where bacteria are important in human lives.
4. How fast do some species of bacteria reproduce?
5. Describe a few places where bacteria are found in the human body.
6. How is the bacterium *Botulism* used as a healer?
7. List two foods in which bacteria are involved in producing.
8. What pathogen is the single most killer of all-time?

9. What accidental discovery in microbiology changed medical history in the twentieth century?

10. What are plasmids?

11. What is antibiotic resistance?

■ **Part 2**

12. List several societal practices that have promoted the development of antibiotic resistant strains of bacteria?

13. Describe how bacteria can be helpful in the mining industry.

14. Explain why scientists want to know the genome of certain bacterial strains.

15. What method is used to study bacteria that cannot be cultured in a laboratory?