

Name: _____ Date: _____ Period:

Understanding Bacteria Video

1. What is anthrax?
2. What is the name of one other deadly bacterium?
3. Infectious diseases are the # _____ cause of death in all human history.
4. Can we get rid of all microorganisms on our bodies?
5. Less than _____ % of all bacteria cause disease.
6. Where do archaeobacteria live?
7. How do bacteria reproduce?
8. Are people born bacteria free?
9. There are more bacteria in our bodies than there are _____.
10. What is the most toxic substance on earth?
11. Does C. botulinum have any positive medical uses?
12. What gives sour dough bread its flavor?
13. What makes holes in Swiss cheese?
14. What bacteria is the flesh eating kind?
15. Will adequate cooking of ground beef kill harmful E. Coli?
16. Tuberculosis has killed 5000,000,000 people. It is the biggest all-time killer of any _____.
17. The death rate from the Black Death or Bubonic Plague was _____ %
18. What was the accidental discovery that helped us fight bad bacteria?
19. Why can't we kill all bacteria?

Part 2

20. Do some doctors prescribe antibiotics for colds? Why?
21. Half of all antibiotics are used in _____.
22. Are doctors concerned about antibiotic resistance? Why?
23. How can a bacterial strain move quickly on planet earth?
24. How was the cyanide broken down at the gold mine so it wouldn't pollute the river?
25. Ulcers are caused by _____, not by food with too much acid.
26. The bacterial _____ are highly evolved.
27. Most antibiotics come from _____.
28. The Mars meteorite might have some fossil _____ in it.

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Understanding Bacteria Video

1. What is anthrax?
A deadly bacterium
2. What is the name of one other deadly bacterium?
Salmonella, botulism, pneumonia, meningitis
3. Infectious diseases are the # 1 cause of death in all human history.
(#3 in US currently)
4. Can we get rid of all microorganisms on our bodies?
No
5. Less than 1 % of all bacteria cause disease.
6. Where do archaeobacteria live?
Extreme environments
7. How do bacteria reproduce?
Dividing
8. Are people born bacteria free?
Yes
9. There are more bacteria in our bodies than there are human cells.
10. What is the most toxic substance on earth?
C. botulina (Clostridia botulina)
11. Does C. botulinum have any positive medical uses?
Yes, relaxing muscles
12. What gives sour dough bread its flavor?
Lactobacillus sanfrancisco
13. What makes holes in Swiss cheese?
Bacteria creating gas
14. What bacteria is the flesh eating kind?
Streptococcus (Necrotizing fasciitis)
15. Will adequate cooking of ground beef kill harmful E. Coli?
Yes
16. Tuberculosis has killed 5000,000,000 people. It is the biggest all-time killer of any pathogen.
17. The death rate from the Black Death or Bubonic Plague was 90%%.
18. What was the accidental discovery that helped us fight bad bacteria?
Penicillin
19. Why can't we kill all bacteria?
They share genetic information; they mutate.

Part 2

20. Do some doctors prescribe antibiotics for colds? Why?
Yes, to prevent other infections.

21. Half of all antibiotics are used in animal feed.
22. Are doctors concerned about antibiotic resistance? Why?
Yes, it is harder to get rid of infections and some can kill people.
23. How can a bacterial strain move quickly on planet earth?
When people travel
24. How was the cyanide broken down at the gold mine so it wouldn't pollute the river?
Bacteria
25. Ulcers are caused by bacteria, not by food with too much acid.
26. The bacterial chromosomes are highly evolved.
27. Most antibiotics come from bacteria in the soil.
28. The Mars meteorite might have some fossil bacteria in it.