

ERHS Science HARMFUL BACTERIA MICROVIEWER Name: _____ Per _____
Examine each slide and study the description in the text folder. After studying each slide and the printed text, answer the questions for that slide. Some answers are not given in the text folder.

Introduction

About 100 years ago _____, a French scientist, discovered that some diseases were caused by tiny microscopic life forms called _____, which would enter the body of an animal or plant and damage the _____. The science of _____ developed from this discovery. Since the days of _____, scientists have discovered hundreds of different _____ that cause different diseases. And they have found many ways to fight the _____ bacteria.

Slide 1: Diphtheria

Describe the shape of diphtheria bacteria: _____
Based on your class notes, are these bacteria "bacilli", "cocci", or some other shape?

What substance is given off by these bacteria? _____
When was it discovered that diphtheria was caused by bacteria? _____
What can be injected to protect against these bacteria? _____

Slide 2: Typhoid Fever Bacteria

Where do these bacteria live? _____
How do they move? _____
How do people get typhoid fever? _____
What can be injected to protect against these bacteria? _____
What do campers do to kill these bacteria? _____

Slide 3: Pneumonia Bacteria

What shape are these bacteria? _____
What part of the body do they attack? _____
What structure on the outside of the bacterium protects it from the body's immune system?

Where are these bacteria often found in the body? _____
What can we do to help the body fight these bacteria? _____

Slide 4: Bacteria of Tuberculosis

What shape are these bacteria? _____
What part of the body do they attack? _____
What was added to make these bacteria more visible under the microscope? _____

Slide 5: Bacteria of Blood Poisoning

What special name is given to the shape and arrangement of these bacteria?

Where were these bacteria obtained? _____
What body cells are seen attacking the bacteria? _____
How does the arrangement of these bacteria differ from those of diphtheria?

Slide 6: Bacteria of Food Poisoning

What kind of food poisoning do these bacteria cause? _____
Describe the shape of the bacteria: _____
What do these bacteria give off? _____
These are anaerobic bacteria. This means they don't require: _____

Slide 7: Bacteria of Potato Ring-Rot

Describe the appearance of the potato? _____
What does the bacteria do inside the potato cells?

Slide 8: Bacteria of Apple Fire-Blight

How do disease-causing bacteria affect the price of food?
