

**SECTION 1**

1. What are some diseases caused by bacteria? List as many as you can before the video begins.
2. What percentage of bacteria actually causes disease?
3. What are some examples of how bacteria are helpful to humans?
4. How are bacteria different from viruses? List three differences.
5. What is botulism?
6. Under what circumstances might the botulism toxin be helpful?
7. How is sourdough bread made? What is the secret of the sour taste?
8. What happened at the Jack-in-the-Box restaurant chain? What bacterium was responsible?
9. What accidental discovery changed the course of medical history?
10. How do bacteria adapt?

**SECTION 2**

1. Why are animals (such as pigs) given antibiotics?
2. Why is the overprescription of antibiotics a problem?
3. How did the town of Leeds remove cyanide from their water?
4. What is the importance of genetic research in bacteria?
5. How can bacterial enzymes be used in the paper industry?