

Case Study: Harmful Bacteria The Walkerton Tragedy

Assignment:

- Read textbook page 118-119

Analysis

1. Describe the symptoms of E.coli0157:H7 poisoning.
2. List the sources of E. coli 0157:H7 contamination.
3. Create a graphic organizer for Table 1 (page 119). Draw the three basic bacterial shapes in the centre of a piece of paper. Working out from the middle, name each pathogen and the diseases it produces. (Additional information: clostridium, coliform, and pseudomonads are rod-shaped bacteria.)
4. Explain how E. coli contamination can be prevented by the government, and by the population.
5. Prepare a fact sheet for any one disease mentioned in this section.
 - a. Description of disease
 - b. What parts of the body are affected?
 - c. Name of organism that causes the disease.
 - d. Treatment of the disease.
 - e. How is the disease passed from person to person?

0-4	5-6	6.5-7.5	8-9	9-10
Report does not demonstrate an understanding of the material	Report shows little understanding of content and communicates with few of the proper terms	Report shows some understanding of content and communicates with some of the proper terms	Report shows a high level of understanding content and communicates with many of the proper terms	shows an excellent level of understanding content and impact on society and communicates with proper terms
Analysis is not presented in a suitable manner to achieve a passing grade	Analysis is poorly written with incomplete sentences and many grammar errors	Analysis is adequately written but has incomplete sentences and several grammar errors	Analysis is well written with full sentences and few grammar errors	Analysis is very well written with proper sentences and grammar