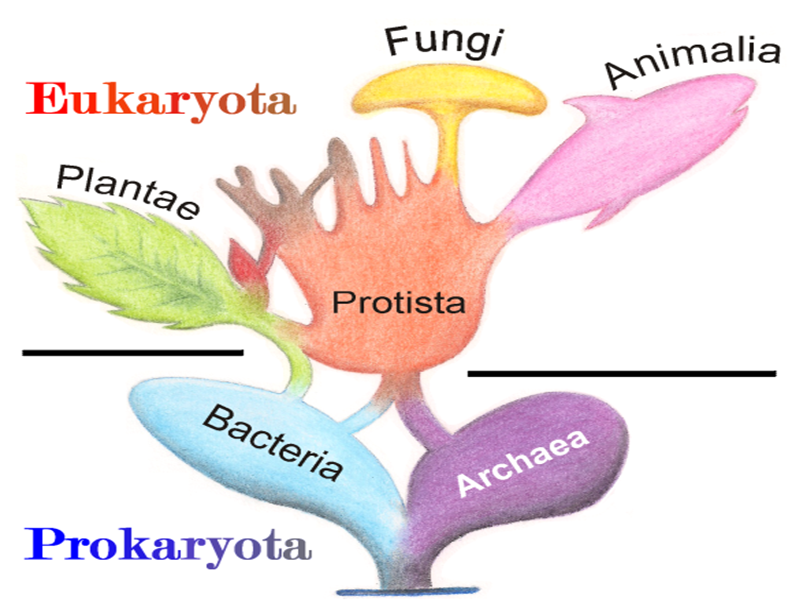
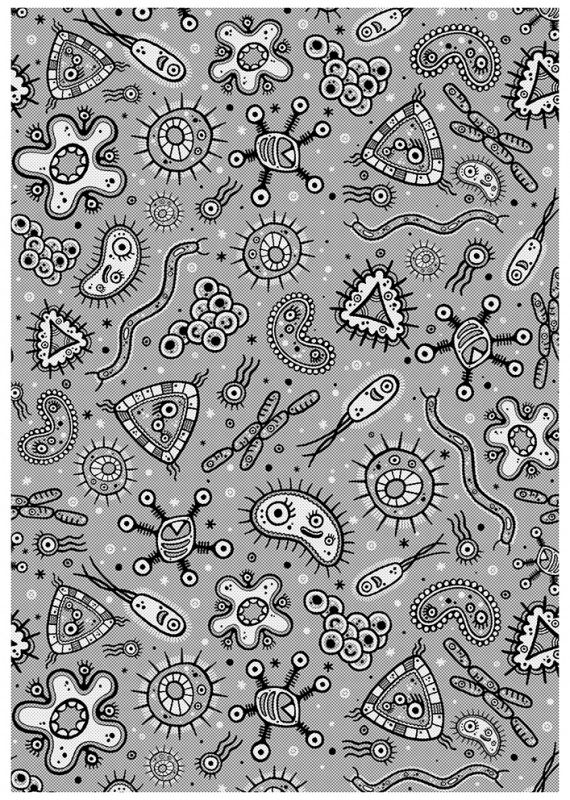
**SBI 3C - Harmful or Helpful Microorganism**

Prepare a report/presentation/play/rap/(alternate approved by the teacher) for a disease, ailment or benefit, caused by a microorganism that is related to the human body. You must include references to show where your research came from. Also include:

* 1. Description of disease
  2. What parts of the body are affected.
  3. Name of organism that causes the disease/benefit
  4. Treatment of the disease.
  5. How the disease/benefit is passed from person to person
  6. Interesting facts/Historical significance of disease or benefit (how was it discovered?)
  7. Connections and links between all four units studied in this course so far (\* very important!)

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



|  |
| --- |
| Brainstorm Your Ideas here: |

**Case Study: Harmful Bacteria**

**The Walkerton Tragedy**

**Assignment:**

* Read textbook page 118-119

**Analysis**

1. Summarize what happened in Walkerton in a well formed paragraph.
2. Describe the symptoms of E.coli 0157:H7 poisoning.
3. List the sources of E. coli 0157:H7 contamination.
4. 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.)
5. Explain how E. coli contamination can be prevented by the government, and by the population.