

Student Name: _____

The 12 “Most Unwanted” Bacteria Project

For this project, you will research **two** of the 12 most unwanted bacteria found in our food. You will then develop a factsheet on your findings and present your newfound knowledge to the class. When everyone is completed, the class will do a gallery walk and you will have to answer some questions.

** Factsheets must be written in your own word (plagiarized fact sheets will receive a zero)**

12 “Most Unwanted” Bacteria: Pick 1			
Campylobacter Jejuni-Brielle	Escherichia. coli 0157:H7- Camden	Salmonella Typhimurium-Jake	Vibrio Cholerae- Jake
Clostridium Botulinum- Adam	Listeria Monocytogenes-Tosh a	Shigella- Khole	Vibrio Vulnificus-Camden
Clostridium Perfringens-Khloe	Salmonella Entertidis- Adam	Staphylococcus Aureus-Tosha	Yersinia Enterocolitica- Brielle

Factsheet Information:

- What is it called- scientific name and common/slang name
- How to pronounce it?
- What does it need to thrive?
 - What are the foods/sources associated with it and possible contaminants?
- What is the incubation period for the illness?
- What are the symptoms associated with the illness?
- What is the duration of the symptoms?
- What are the steps for prevention?
- Include a picture of your bacterium
- What are the numbers?
 - How many people were infected within the past 20 years?
 - Any deaths?



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Gallery Walk:

Instructions: Post your fact sheet on a wall or table and then walk around to everyone's fact sheets about the different pathogens/foodborne illnesses and answer the following questions. Identify which pathogen you researched.

Questions:

1. *Campylobacter* *Jejuni*

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 1. Any deaths?

2. *Clostridium* *Botulinum*

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 1. Any deaths?

3. *Clostridium* *Perfringens*

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?

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- i. How many people were infected within the past 20 years?
 1. Any deaths?

4. Escherichia. coli 0157:H7

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 1. Any deaths?

5. Listeria Monocytogenes

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 1. Any deaths?

6. Salmonella Entertidis

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 1. Any deaths?

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7. Salmonella Typhimurium

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 1. Any deaths?

8. Shigella

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 1. Any deaths?

9. Staphylococcus Aureus

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 1. Any deaths?

10. Vibrio Cholerae

- a. What are the foods/sources associated with it and possible contaminants?

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- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 - 1. Any deaths?

11. Vibrio Vulnificus

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 - 1. Any deaths?

12. Yersinia Enterocolitica

- a. What are the foods/sources associated with it and possible contaminants?
- b. What is the incubation period for the illness?
- c. What are the symptoms associated with the illness?
- d. What are the numbers?
 - i. How many people were infected within the past 20 years?
 - 1. Any deaths?

13. Are there any similarities between all of the foodborne illnesses?

- a. What are they?
- b. What are the differences?