

NAME _____

DATE _____

BACTERIA WANTED POSTER

BACKGROUND INFORMATION: You are a marshal for the Center of Disease Control (CDC). Your job is to track down and apprehend pathogens that are a danger to the human population. In order to increase your successfulness of this assignment, you must do some investigative work to produce an accurate "wanted poster" that can be circulated to various branches of CDC and other agencies.

THE CULPRITS: (monerans)

Select a pathogen from the list below that you will be responsible for.

Pathogen

Disease

<i>Bacillus anthracis</i>	anthrax
<i>Bordetella pertussis</i>	whooping cough
<i>Clostridium botulinum</i>	botulism
<i>Clostridium perfringens</i>	gas gangrene
<i>Clostridium tetani</i>	tetanus
<i>Corynebacterium diphtheria</i>	diphtheria
<i>Escherichia coli</i>	acute pyelonephritis
<i>Francisella tularensis</i>	tularemia or rabbit fever
<i>Hemophilus influenzae</i>	meningitis
<i>Lactobacillus acidophilus</i>	cavities
<i>Mycobacterium leprae</i>	leprosy (Hansen's disease)
<i>Mycobacterium tuberculosis</i>	tuberculosis
<i>Neisseria gonorrhoeae</i>	gonorrhoea
<i>Neisseria meningitidis</i>	spinal meningitis
<i>Rickettsia rickettsii</i>	Rocky Mountain Spotted Fever
<i>Rickettsia prowazekii</i>	typhus
<i>Salmonella typhi</i>	typhoid fever
<i>Salmonella typhimurium</i>	food poisoning
<i>Shigella dysenteriae</i>	dysentery
<i>Streptococcus mutans</i>	cavities
<i>Streptococcus pneumoniae</i>	pneumonia
<i>Streptococcus (group A)</i>	scarlet fever
<i>Streptococcus (group A)</i>	rheumatic fever
<i>Treponema pallidum</i>	syphilis
<i>Treponema pertenue</i>	yaws
<i>Vibrio cholerae</i>	cholera
<i>Yersinia pestis</i>	plague

Project Description for Grading:

You will be responsible for making a wanted poster in order to apprehend the culprit. Your work should be neat, creative, and professional looking. Your poster must include the following:

1. Photograph- may be a microscopic picture/diagram or drawing
2. Description- a detailed description about the pathogen
3. How the organism attacks and spreads
4. Most common victims to prey on
5. Hide of the culprit (where is it most likely to be found)
6. Most common injury done to victim
7. Is it armed and dangerous? Rate the degree of damage caused
8. Number of victims
9. Most effective weapons against the pathogen
10. Any other identifying characteristics (such as tattoos).

Grading Criteria

Criteria	Points (20)	Points Earned
Neatness	4	
Creativity	4	
Diagram	4	
Content	6	
Preparedness	2	
Total Score:		