

# BACTERIA WANTED POSTER

## TASK #1

**STANDARDS:** 1,2,3,5, possibly 13

**TASK:** Students will research a bacterial infection and create a poster displaying information about their bacteria. Students will also have to present their poster to the class. A peer assessment of both the poster and the oral presentation will be conducted.

**CRITERIA:**

Description:

- Your poster should be *no smaller* than a 8 ½” X 11” piece of poster board
- Your poster should be colorful and CREATIVE
- Your poster should be organized and free from errors!

Specific Requirements (what you should include!):

- “Photo” of your pathogen (microscopic picture or a diagram)
- Description of pathogen (What it look like, how it originated, etc.)
- Organism’s mode of operation (how it attacks and spreads, vectors)
- Most common victim it preys on (adults, kids, males, females)
- Hideout of culprit (where it is found across the world...geographically)
- Injury done to its victims – symptoms of disease
- Is it armed and dangerous? (rate the degree of damage caused)
- Number of victims to date
- Most effective weapon against the bacteria (treatments, cures?)
- Include documentation of sources (at least 2!)

You may choose one of the following pathogens:

<u>Pathogen</u>	<u>Disease</u>
<i>Bacillus anthracis</i>	anthrax
<i>Bordetella pertussis</i>	whooping cough
<i>Clostridium botulinum</i>	botulism
<i>Clostridium perfringens</i>	gangrene
<i>Clostridium tetani</i>	tetanus
<i>Corynebacterium diphtheriae</i>	diphtheria
<i>Escherichia coli</i>	acute pyelonephritis
<i>Francisella tularensis</i>	tularemia or rabbit fever
<i>Mycobacterium leprae</i>	leprosy (Hansen's disease)
<i>Mycobacterium tuberculosis</i>	tuberculosis
<i>Neisseria gonorrhoeae</i>	gonorrhea
<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 pneumoniae</i>	pneumonia
<i>Streptococcus</i> (group A)	scarlet fever
<i>Streptococcus</i> (group A)	rheumatic fever
<i>Treponema pallidum</i>	syphilis
<i>Vibrio cholerae</i>	cholera
<i>Yersinia pestis</i>	plague