Pathogen Webquest

Go to the following websites and answer the questions.

**Pathogens**

http://www.iaff.org/hs/resi/infdis/what_is_a_pathogen.htm

1. What is a pathogen?

2. What are the 3 types of pathogens?

3. What is the difference between exposed and infected?

4. Define the following terms:
   a. dose-
   b. virulence-
   c. host resistance-

**Pathogenicity**

http://textbookofbacteriology.net/pathogenesis.html

5. What is pathogenicity?

6. What are the 2 mechanisms used to cause disease and define each?

**Infections**

http://www.medicalnewstoday.com/articles/196271.php

7. What does it mean to have an infection?

8. Who is the host?

9. What are the 2 names for the organism?

10. What is a viral infection?

11. How are viral infections transmitted?
12. What is a bacterial infection?

13. Name 2 of the most deadly bacterial epidemics, the name of the bacteria that causes them and what the symptoms are. (If you click on the name of each, it will give you more information.)
   a. Disease #1 -
      i. bacteria:
      ii. symptoms:
   b. Disease #2 –
      i. bacteria:
      ii. symptoms:

14. Name 4 common bacterial infections and list ONE of the bacterial strains that causes each.
   a. Infection #1
   b. Infection #2
   c. Infection #3
   d. Infection #4

15. What is a fungal infection?

16. What is one type of skin fungal infection and what does it do?

17. What is a prion disease?

18. Name one prion disease.

19. List 3 worldwide infectious diseases, and how many deaths they have caused.
   a. Disease #1
   b. Disease #2
   c. Disease #3

Infections Part 2

http://www.humanillnesses.com/original/Her-Kid/Infection.html

20. How do infections occur?

21. List 2 of our body’s natural defenses and how they work.

22. What is a localized infection?

23. What is a systemic infection?

24. What is one way infections are prevented?