

Antibiotics and Vaccines Webquest

Questions and Links

Name: _____ Date: _____ Class: _____

Directions

- ◆ Answer all questions by following the links and reading the webpages

Antibiotics

<http://science.howstuffworks.com/question88.htm>

1. How do antibiotics work to kill bacteria?

<http://inventors.about.com/od/pstartinventions/a/Penicillin.htm>

2. What is the history of antibiotics?

http://www.cdc.gov/NARMS/faq_pages/2.htm

3. What is antibiotic resistance?

http://www.tufts.edu/med/apua/Q&A/Q&A_AR.html

http://www.cdc.gov/NARMS/faq_pages/3.htm

4. How does antibiotic resistance occur?

<http://www.cdc.gov/getsmart/antibiotic-use/know-and-do.html>

5. List 3 things you can do to prevent bacterial resistance:

Vaccines

<http://www.cdc.gov/vaccines/vac-gen/howvpd.htm>

6. What is a vaccine (use the picture)?

<http://www.chop.edu/service/vaccine-education-center/vaccine-science/how-are-vaccines-made.html>

7. What are 4 ways vaccines can be made (read the first 4 sections with bold headings)?

8. Using what you now know about vaccines, why might people be concerned about getting vaccines?

http://www.cdc.gov/vaccinesafety/Vaccines/Common_questions.html

9. How are vaccines tested for safety?

<http://www.chop.edu/service/vaccine-education-center/a-look-at-each-vaccine/>

10. Look up one vaccine and answer: how is the vaccine made and does the vaccine outweigh the risks of the disease?