

Antibiotics and Vaccines Webquest

Questions and Links

Directions

- ◆ Answer all questions by following the links and reading/watching the webpages
- ◆ Write all answers in your own words – DO NOT JUST COPY – YOU WON'T LEARN ANYTHING THAT WAY.

First, watch this video:

<https://www.youtube.com/watch?v=zQGOcOUBi6s>

Summarize what you learned in 2 - 3 sentences:

Antibiotics

1. How do antibiotics work to kill bacteria?

<https://www.youtube.com/watch?v=OqQxtFcXNGk>

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

2. What is the history of antibiotics?

<https://www.youtube.com/watch?v=jBjpMN-2Cuk>

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

3. What is antibiotic resistance?

<https://www.youtube.com/watch?v=mngVeKX8plk>

<https://www.cdc.gov/narms/faq.html>.

4. How does antibiotic resistance occur?

<https://www.youtube.com/watch?v=znnp-Ivj2ek>

http://www.rxlist.com/antibiotic_resistance-page3/drugs-condition.htm

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

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

Vaccines

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

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

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

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

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

9. How are vaccines tested for safety?

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

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

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