Killer Germs Ch 3. –FOCUS QUESTIONS

Answers should be IN YOUR OWN WORDS, typed and in complete sentences. They need not be lengthy – 2-3 sentences at most!

1. What is the difference between an antibiotic and an antiviral – why is there confusion with the term ‘antibiotic’?
2. What was the first broadly marketed antibiotic AND how did it function?
3. In 1944 streptomycin was added to our arsenal of antibiotics. What was unique about the uses of this antibiotic that made it the third wonder drug?
4. How does a bacterium acquire resistance to a drug?
5. Explain the quote on page 52, “The problem with drug resistance is not the emergence of new genes in old germs but the teaming up of old genes with new hosts.” Be sure to make the connection between the quote and your response!
6. How has “the solution to the problem of infectious disease become the cause”? Describe (briefly) how this happens.
7. **List** 4 ways in which the use of antibiotics is abused AND **List** 4 practices advocated in this chapter of the proper uses of antibiotics.
8. a. How long (approximately) does it take for a pharmaceutical company to bring a new antibiotic, (or any drug for that matter), to market?

b. How long (approximately) does it take for antibiotic resistance to develop?

1. List any questions you have after reading this chapter… (try for three)