Read – Chapter 13 of The Coming Plague: ‘The Revenge of the Germs, or just keep Inventing New Drugs’.

***Type concise responses in complete sentences and in your own words:***

The Chapter deals with the ever increasing resistance of infectious agents to our arsenal of pharmaceuticals.

1. Briefly describe three examples from the chapter of our inability to keep up with antibiotic resistance of infectious agents.
2. What are some conditions of modern day lifestyles and populations that exacerbate these problems? (describe 3)
3. What are some of the political/medical/social issues that prevent control of some of these diseases? Give an example.
4. Why did Campbell eventually conclude that it wasn’t such a bad thing to live with the malarial parasite in you? What was the consequence if you went through repeated infections and antimalarial ‘cures’
5. a. Former President Clinton has recently poured his energy into dealing with the malaria problem. What are the goals of his organization’s efforts?

b. What drug is he promoting? Look up this drug – Its common name should be familiar from your reading. Where does it come from?

1. a. What rather disturbing mechanism have some parasites evolved to aid in resisting our onslaught of drug therapies?
2. This mechanism has also been discovered in cancer cells. What role does it play in them?
3. Explain and comment on the quote from Thomas O’Brien on pg 431 who claimed that: ”what the world faced was not so much an antibiotic resistance crisis as an epidemic of plasmids”:
4. Recently, in the news, it was announced that there is now an antimalarial vaccine. Read about this vaccine and briefly describe its strengths and limitations