Killer Germs

Chapter 6 Questions–Pg 101 – 111, and 117-120.

1. Explain the term ‘obligate intracellular parasite’ – word for word.

2. How do viruses enter cells?

3. True or False? Viruses are species-specific as well as tissue-specific.

Explain your answer.

4. a. The central dogma of biology maintains that information flows from

DNA 🡪\_\_\_\_\_\_\_\_\_\_\_\_🡪\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. On page 106 three methods for initiating viral replication are described. Summarize these three strategies in the shorthand used in the book below. Identify the type of virus that uses each.

5. Compare and contrast acute and persistent viral infections. Relate these terms to the life cycles discussed in class. (1 sentence – how they are alike and at least 2 sentences explaining how they are different)

6. Why are new viruses so much more dangerous than older more established ones?

7. What do recent studies suggest about the link between viruses and common diseases that have, up until recently, never been linked to viral infection.

8. What are emerging viruses and why are they considered to be the source of the next greatest pandemic threat?