

Extra Credit Reading
THE HOT ZONE

Name: _____

1. What animal is primarily used for Bio-safety Level 4 experimentation?
2. Name the two strains of Ebola and its close relative.
3. What event occurred in Level 4 that caused Nancy Jaxx to panic and leave the room? Why would this event cause such a reaction from Nancy?
4. What is the most lethal strain of Ebola? How lethal is it when compared to Marburg virus?
5. Although Ebola Zaire has never been directly traced, who is the first person known to be infected with this deadly strain?
6. Is it possible for Ebola and Marburg to travel through the air? Who proved this?
7. What was Bill Volt's preliminary conclusion regarding the monkeys after his first dissection?
8. Describe the process of preparing a sample for the electron microscope.
9. Describe two political issues that were expected to arise after the diagnosis of Ebola Zaire was confirmed.
10. Why can Jarvis Purdy's heart attack not be ruled as being caused by Ebola virus?
11. Describe the priorities of the Army in their management of the outbreak in the monkey house.
12. List the materials that Gene Johnson supplied the army for their biological war at the Reston Monkey house.

13. According to CJ Peters, how trustworthy is the media in this biohazard situation? Are there any phrases or information he is careful not to reveal?
14. What signs of Ebola did Nancy Jaax find in the monkeys extracted from the monkey house?
15. What controversial decision was made by Joe McCormick once the second supposed victim of Ebola broke? What was CJ Peters' opinion of McCormick following McCormick's decision?
16. What is ketamine, and what is it used for in the monkey house?
17. Following the decon of the monkey house, what was concluded about the virus?
18. At one point, Mount Elgon had been inhabited by two thousand elephants. At the time of the expedition, what is the elephant population on the mountain, and what is the reason for its large change?
19. Describe the Level 4 space suit that Preston uses for his trip into the cave. Why did other members of the excursion find this dress odd, and what were the reactions of the group to the suit?
20. Describe the inside of Kitum Cave. What did Preston come across while inside the cave? What methods of infection did he see or experience in the cave?
21. Where do many emerging viruses come from? Name some of the emerging viruses that are currently prominent in the human population.
22. Did you like this book? Why or why not?
23. What did you learn about the scientific process by reading this book?