

Define the following Vocabulary:

Amplification
 Diamond knife
 Ebola
 Quarantine
 Filovirus
 Incinerate
 Marburg
 Necropsy
 Hemorrhagic fever (SHF)
 Thread virus
 USAMRIID

Questions:

Reston:

1. How many monkeys are imported into the US each year? Why are they imported?
2. Which government agency(ies) are responsible for overseeing facilities like the Reston Monkey House?
3. If monkeys are sick how long will they be quarantined before distribution?
4. Who is Dr. Dan Dalgard and what is his job?
5. Where did the October 4, 1989 shipment of monkeys come from? How big was it?
6. What began to happen to this shipment of monkeys?
7. What did they find out during the autopsy of the dead monkeys?
8. What was the condition of the spleens in these specimens compared to a normal monkey spleen?

Into Level 3

9. Why did Dalgard decide to contact USAMRIID?
10. Who is Peter Jarhling and what is his specialty?
11. What concerned Peter about the samples Dan sent him?
12. What characterizes the safety conditions in a Level 3 facility?
13. How should a dangerous material be packaged for shipping?
14. How was the virus cultured (grown)?
15. There were four samples, what were they?
16. What was the location of a large number of deaths caused by one of these viruses on November 16?
17. The author uses the term "hot". He is not referring to temperature, what does he mean?

Exposure

18. Who is Thomas Geisbert and what does he do at USAMRIID?
19. What is the difference between an electron microscope and a light microscope? What can each one see?
20. What was Jarhling's suspicious about the culture and how did he test it?
21. Why was it a mistake for Geisbert and Jarhling to smell the flask?
22. What is an incubation period?

Thanksgiving

23. Why did the Jaax family have a horrid Thanksgiving?
24. Give a hypothesis about how the virus had apparently jumped from room F to H.

Medusa

25. Describe the diamond knife? Why was the diamond knife necessary for the kind of work Thomas Geisbert was doing?
26. What did he see in the EM images? Why did it upset him?
27. How did Thomas Geisbert determine that the cells under his microscope were a form of Ebola?
28. What are bricks and why are they so dangerous?

The First Angel

29. What convinced Geisbert the substance was Marburg?
30. Who is Colonel CJ Peters? How is he described?

31. Why are Jarhling, Geisbert and Peters so secretive about the virus?
32. What is the “Slammer”? How did people respond to life in the “Slammer”?

The Second Angel

33. What did the evidence from monkey 053’s cells show?
34. Why did Jarhling hesitate to tell Dalgard that he had detected an Ebola strain?
35. How did Jarhling test to see if the monkey virus reacted in humans? What did it mean if the cells were glowing?

Chain of Command

36. Why did Jarhling repeat the test?
37. What did Colonel David Huxsoll decide to do? Who did they get involved as their lead researcher and why?
38. What is a thread virus?
39. Jarhling is a civilian but his bosses are military officers. Do you think Jarhling violated any military rules or Regulations by not telling them he has been exposed to Ebola?
40. Why is it important to know how the virus is spread?
41. What are the 3 ways to eliminate a virus? Which are not applicable at this point?
42. What is a species jumper?
43. Why was Dalgard reluctant to let the Army into his facility?

Garbage bags

44. Why was Dalgard so afraid of Peters and of letting outsiders into the monkey house?
45. What did Volt tell Dan?
46. What is “extreme amplification” ?
47. CJ and Gene don’t like each other very much. What is the background of this tension?
48. How did Nancy get out of transporting the bags herself?

Space Walk

49. Why couldn’t Nancy bring her standard ID card into the decon chamber?
50. Describe the steps to take prior to going into a Level 4 zone.
51. Why are the beakers and tubes made out of plastic?

Shootout

52. Why didn’t Russell want the CDC to take over the operation?
53. Why can’t Dr. Joe McCormick and CJ Peters stand each other?
54. What had McCormick done to deserve recognition?
55. How did this episode affect McCormick’s perspective on the danger of Ebola?
56. What didn’t CJ tell anyone else at the meeting? Why?

Mission

57. Who was on the team that CJ put together?
58. Why is Kitum Cave so important to the story?

Reconnaissance

59. What was the plan for December 1? What time were they going to start? Why?
60. Who did Gene Johnson see in the parking lot?
61. Why did they seal off Room H?
62. Why didn’t Dalgard invite McCormick when he invited CJ in?
63. What else did Nancy notice about the monkeys that scared her?
64. What did Nancy do when she heard about her father? What would you have done? Why?