

**Chapter 5 Study: Part 1-Discussion Guide
Honors Science**

Garrett, L. *The Coming Plague-Newly Emerging Diseases in a World Out of Balance*, Penguin Books, 1994.

The following guide pertains to Chapter 5--I-V-- (pp. 100-130) and deals with Ebola.

PLACE: Bumba Zone in Zaire's northern frontier

TIME: 1976-1974

KEY PEOPLE:

Mabola Lokela (Antoine)	Father Augustin
Mbuzu Sophie	Sister Beata Edmonds
Sister Miriam	Yombe Ngongo
Lizenge Embale	Ekombe Mongwa
Angi Dobola	Sebo Dombe
Ngbua	Sister Edmonda
Dr. Ngoi Mushola	Muyembe Tamfum Lintak
Omombo	Amane Ehumba
Sister Romana	Sukato Manzomba
Mayinga N'Seka	Dr. Lusakumuna
Dr. William Close	President Mobutu Sese Seko
Dr. Ngwete Kikhela	Father Germain Lootens
Sister Genoveva	Sister Marcella
Sister Mariette	Dr. Krubwa
Dr. Jean-Francois Ruppel	Dr. Gilbert Raffier
Paul Bres	Claude Hannon
Pierre Sureau	Dr. G. Raffier
Peter Piot	Guido van der Groen
Rene Delgadillo	Dr. Stefan Pattyn
Patricia Webb	Fred Murphy
Joel Breman	Lyle Conrad
Geoffrey Platt	Joe McCormick
Karl Johnson	

I. GEOGRAPHIC SETTING

- | | |
|----------------------|-------------------------|
| a. Bumba Zone | e. Yambuku |
| b. Bongo Zone | f. Ubangi Rivers |
| c. Badolite | g. Zaire Rivers |
| d. Yandongi | h. Kinshasa |

II. DISCUSSION AND GUIDE QUESTIONS

Page

- 100 1. What disease did the nurse's believe that Mabalo Lokela had?
- 102, 103 2. What are the symptoms of Ebola?
- 104,105 3. In Ngoi's report what did he report about the number of Ebola cases? And what did he recommend that the Sisters do?
- 105 4. What mistake did the professors make when handling infected blood samples?
- 107 5. How did Sister Genoveva perceive the orders given from Ministry officials?
- 111 6. What happened to the Vero monkey cells when infected blood was added to them?
- 112 7. What did Piot use to discover the virus and what did the virus look like?
- 112 8. What was the unique relationship between Belgium and Zaire?
- 113 9. Describe the security measures taken in the P3 labs that Webb worked in.
- 114 10. What three qualifications did Webb want the scientists she hired to have?
- 116 11. What did the WHO report released on October 15 say about the new virus?
- 117 12. What did they try to use as a treatment to fight Ebola?
- 119 13. Why was Webb replaced by her husband for the Yambuku assignment?
- 121,122 14. What did Sister Marcella's log reveal about the Yambuku outbreak?
- 124 15. What did Piot and Sureau do to the couple they found 10 miles from Yambuku and why?
- 126,127, 128 16. What was van der Groen's plan to diagnose the infection and what did he find out?
- 128,129 17. Who were the only two known survivors of Yambuku and what was their significance?
- 130 18. What did Johnson feel was the next step in investigating the new disease?

CONCLUDING REFLECTIVE THOUGHTS

- 1. What were some of the political problems that different people in the first section of this chapter faced?**