Rosalind Franklin: The Dark Lady of DNA by Brenda Maddox

1. What kind of laboratory did Franklin work in at Paris?
2. What field of science did Franklin pursue at the King’s College?
3. What subjects did Ellis Franklin teach at the Working Men’s College? Chapter 3: Once a Paulina
4. What courses did Franklin focus on while getting her Higher School Certificate?
5. Why did Franklin avoid taking biology and botany classes?
6. What did the general physiology and development talks teach?
7. What school refused to accept women as ‘members of the university’? What was the percent limit for female students?
8. Why did William Lawrence Bragg and William Henry Bragg win the Nobel Prize for?
9. What is Bragg’s Law?
10. What type of room did Franklin often work in?
11. What phobia did she suffer from?
12. What question about coal did Franklin extensively research?
13. What was the title of Franklin’s first paper? Chapter 6: Women of the Left Bank
14. What could Mering teach Franklin at the government laboratory?
15. What type of rays did Mering use to get “revealing bands”?
16. How much biology had Franklin taken in the early 1950’s?
17. What economical move did Franklin suggest for X-rays?
18. What scientific field belongs to the second half of twentieth century
19. What did most scientists believe genes to be made out of in the 1920’s and why?
20. What function did scientists believe DNA to perform in the cell before it was known that DNA carried genetic material?
21. Why were Gosling’s photographs considered remarkable?
22. How can observing living matter in a crystal form lead to a better understanding of the gene?
23. What did a clear central x in the x-ray patterns imply?
24. What is a Patterson map? What does it show?
25. What was wrong with Pauling’s proposed structure of DNA?
26. What was the unbelievable clear evidence from Photo 51 that proved DNA was a helix?
27. How were the Chargaff Ratios finally explained?
28. What words did Watson and Crick delete from their paper in order to downplay the evidence they received from King’s? What were they in reference to?
29. What is ‘the acid next door’? How is it like DNA? How is it not?
30. Why did the study of TMV launch the science of virology?
31. What did Franklin’s x-ray diffraction pictures confirm for Watson?
32. What did Franklin discover about TMV rods from X-ray photographs?
33. What did Franklin discover about the location on RNA?
34. What medical condition postponed Franklin’s scientific studies and lab work?
35. While Franklin was sick, what models was she under pressure to build? Where would they be displayed?
36. What did Franklin present one week into her cobalt therapy?
37. What virus became Franklin’s new interest?
38. What was engraved on Rosalind Franklin’s gravestone?