

Extra Credit Reading

THE FAMILY THAT COULDN'T SLEEP

Name: _____

1. What is F.F.1, and how is it transmitted?
2. What is a prion disease?
3. What are the symptoms of scrapie?
4. Where was Kuru discovered? What are its symptoms?
5. Why was Kuru not thought to be a genetic or infectious disease?
6. How was Kuru spread?
7. What was the proof that Kuru was an infectious disease, not a genetic one?
8. What was Griffith's role in discovering the cause of Kuru?
9. Why did the doctors believe Assunta was suffering from alcoholism?
10. Why was the idea of a prion-causing disease so controversial?
11. How are the symptoms of scrapie in a sheep similar to "mad cow?"
12. Why was "bovine spongiform encephalopathy" called "mad cow" in the press?
13. How was mad cow transmitted to cows during the outbreak during the 1980's in England?
14. Who was "mad max?"

15. What are amyloid plaques?

16. What is “nucleation?” Provide an example.

17. Were most people infected with mad cow homozygous or heterozygous for the prion gene?

18. How was the prion that causes chronic wasting disease introduced into deer populations? Why?

19. Where was the first U.S case of mad cow disease discovered?

20. Did you like this book? Why or why not?

21. What did you learn about the scientific process by reading this book?