

Name: \_\_\_\_\_  
Mr. Willis  
Biology: \_\_\_\_\_  
Date: \_\_\_\_\_

Unit VIII  
Biology – Protein Synthesis  
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Check out <http://www.nwr1biology.com>

**VIII**

## Genetics Movie – The Chromosomal Basis of Inheritance

1. What is the name of the fungus?
2. What did Gregor Mendel do?
3. Why didn't Mendel know he was working with chromosomes?
4. What genes were dominant in Punnett's true breeding experiment? Which were recessive?
5. What letters were assigned to the dominant traits? And what letter to recessive traits?
6. How did they label the parent generation? (what was in parentheses)
7. How did they label the first generation after the parents?

8. What process took place that changed their expected ratio?
  
9. Are genes located closer to the centromere more or less likely to cross over?
  
10. Are the genes more likely to cross over if they are closer? Why or why not?