

DNA and RNA

Chapter 12

Name _____

Date _____

This section tells about the experiments that helped scientists discover the relationship between genes and DNA. It also describes the chemical structure of the DNA molecule.

Griffith and Transformation (pages 287–289)

1. What did Frederick Griffith want to learn about bacteria? He wanted to learn how certain types of bacteria produce pneumonia.
2. The strain of bacteria that caused pneumonia grew into smooth colonies on culture plates; harmless bacteria produced colonies with rough edges.
3. Circle the letter of each sentence that is true about Griffith's

- way, people in a very large theater that holds thousands might not be able to exit quickly for an emergency. People in a smaller theater that seats fewer people could probably exit more quickly.
9. volume
 10. growth and division
 11. Answers will vary, but should relate the recurrence of something (steps, phases, the