

DNA and RNA - Part 1 (bozemanscience.com)

1. Describe Griffith's experiment. What did his experiment demonstrate?
2. Describe Avery-MacLeod-McCarthy experiment. What did his experiment demonstrate?
3. Why was Avery-MacLeod-McCarthy work largely ignored?
4. Describe the Hersey-Chase experiment. What did his experiment demonstrate?
5. What did Rosalind Franklin's X-ray crystallography photograph of DNA reveal about the molecular structure of DNA?
6. What did Chargaff's data show about the relative percentage of the different nitrogenous bases that make up DNA?
7. What inference was drawn from this data about the structure of DNA?
8. If a sample of DNA contained 20% adenine, then how much cytosine will it contain?
9. What is the structural difference between a eukaryotic chromosome and a prokaryotic chromosome?
10. What is a plasmid?