

Honors Biology
DNA and RNA(Ch 12)
Carmel High School/Dooner

Using Figures 12-2, 12-4, and 12-6 as a guide, answer the following questions:

- 1) What was Griffith trying to learn when he set up his experiment?
- 2) How did Griffith show that the disease-causing bacteria were killed by the heat?
- 3) What result was Griffith expecting when he injected the mixture of live harmless bacteria and heat killed disease-causing bacteria?
- 4) How were Hershey and Chase able to determine whether bacteriophages injected DNA or protein into bacteria?
- 5) What would you expect to find(within the context of their experiment) if a bacteriophage injected protein into a bacterial cell?
- 6) What technique did Rosalind Franklin use to study DNA?
- 7) What impact did Franklin's work have on Watson and Crick?