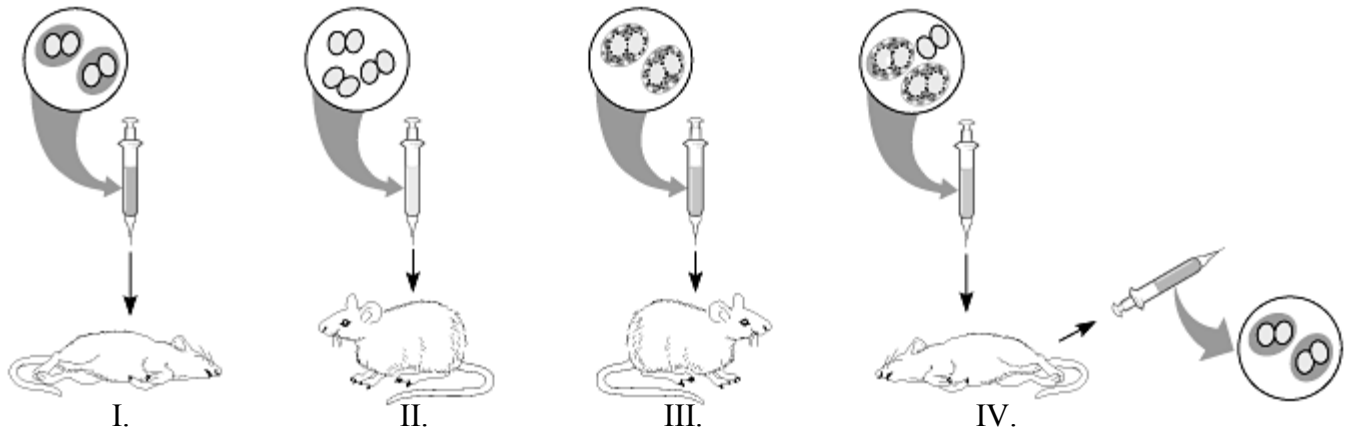


Biology – The Race to Discover DNA Review Sheet

You may use the PowerPoint notes and pages 351-358 in the Integrated Science book to help you answer the following questions.

1. Using these images (I – IV) describe what this study proved to bacteriologist **Frederick Griffith**.



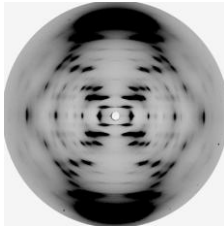
2. Briefly describe how Avery and other scientists further developed Griffiths experiment.

3. Using figure 4 on page 354. Draw, label and explain the experiment and the results of the Hershey-Chase experiment.

4. a. According to Chargaff's rule, how do the bases of DNA pair with one another?

b. Why do they pair in this way?

5. What about DNA did this image reveal? See figure 6 on page 356.



6. Who won the race to discover DNA's structure? Why are they considered the winner? Do you agree?