

**Biology 12: Chapter 4- Review Worksheet Answer Key**  
**Transport Across Plasma membrane**

1. Research the following scientists:

\*Fredrick Griffith (1928)

\*Oswald Avery (1920-1949)

\*Erwin Chargaff (1950-1954)

\*Rosalind Franklin (1950-1954)

\*Alfred Hershey and Marsha Chase (1950-1954)

\*James Watson and Francis Crick (1950-1954)

2. Briefly explain the experiments/developments of each of the scientists. Explain how the discovery of each scientist(s) changed or added to our understanding of genetic material.

**Timeline Component**

Using the materials provided (poster board, markers, rulers, etc.), create a poster which gives a timeline of the events leading to the discovery of DNA. Be sure that the name of each scientist as well as their work is posted on the board. Each scientific contribution must be dated and placed in the correct order on the timeline.