

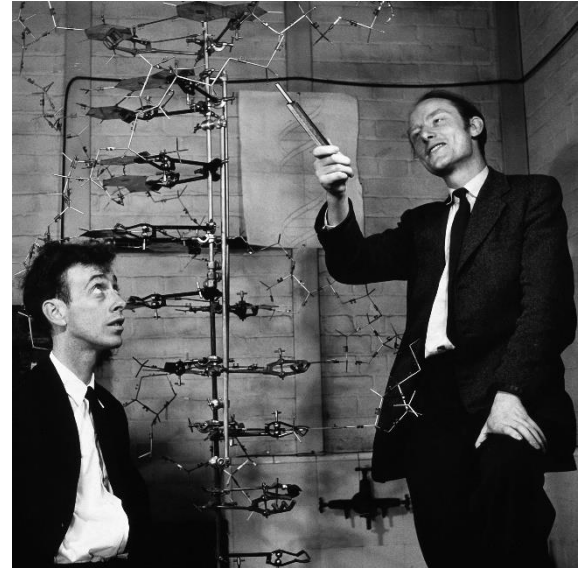
SCIB 265L History of Science

FA19 Week 14: DNA Mystery

NAME: _____

Section: _____

PURPOSE: Experience the process by which the structure of DNA was elucidated using data from multiple labs.



ACTIVITIES:

Part 1: The experience

Students will be assigned to a group and a role in data analysis.

Narrative: You are 5 scientific labs in a highly competitive race. The puzzle is how the identity and structure of hereditary material was found, but the data sets may produce different results. Each lab has their own area of expertise. You may not share your lab's mission but if asked, you must share your results.

Part 2: What really happened

We will watch a 16-minute video providing the history around which our experience was modeled.

Part 3: X-ray crystallography

We will see what this type of data looks like and how it is read