

Biology 3A Lab

Answer each of the following questions after watching the movie “The Double Helix.”

- List all of the major players involved in the discovery of DNA as the source of our genetic information and the role they played (Watson, Crick, Wilkens, Franklin, Pauling, Gosling, Chargaff)
- Include a timeline for which the major discoveries were made and by whom.
- Which researchers believed that the genetic material was DNA? Proteins?
- Who were the “bright hope” and why were they considered that?
- Briefly describe the various techniques used by each researcher.
- How did gossip affect DNA research?
- Why did Watson & Crick concentrate on DNA as the genetic information?
- Discuss how Watson and Crick solved the problems with their model.
- How did the arrival of Peter Pauling affect Watson and Crick?
- Compare and contrast Linus Pauling’s DNA model the Watson & Crick model.