

Activity 1. Arrange the Events

Directions: Number the events from 1 to 6 in chronological order, with 1 representing the earliest event and 6 the latest.

Number	Scientific discovery
	Watson and Crick proposed the double-helix model of DNA.
	Miescher isolated a substance called nuclein.
	Hershey and Chase conducted their bacteriophage experiment.
	Griffith discovered bacterial transformation.
	Avery, MacLeod, and McCarty identified DNA as the transforming principle.
	Franklin and Wilkins contributed X-ray diffraction evidence about DNA's structure.

Activity 2. Who Am I?

Identify the scientist or group of scientists described in each statement. Write your answer on the blank.

1. _____ I studied pea plants and discovered patterns of inheritance.
2. _____ I isolated a substance called nuclein from cell nuclei in 1869.
3. _____ I discovered that a substance from dead bacteria could transform living bacteria.
4. _____ We showed that DNA was responsible for bacterial transformation.
5. _____ We used radioactive labels to determine whether DNA or protein entered bacterial cells during viral infection.
6. _____ I studied the chemical components of nucleic acids and nucleotides.
7. _____ I discovered that the amount of adenine is approximately equal to thymine, while guanine is approximately equal to cytosine.
8. _____ I produced important X-ray diffraction images of DNA, including Photo 51.
9. _____ I also conducted X-ray studies that contributed to understanding DNA's structure.
10. _____ We proposed the double-helix model of DNA in 1953.