

Name _____

Date _____

PHOTO 51 QUESTIONS

Where did Rosalind go to school on a scholarship to study physics?

What new topic/technique did she learn about while there?

What was the *specific* area of Rosalind's research at this time?

Where was the lab located where she went to work?

After _____ years in Paris, Rosalind started to think about moving back to England.

Where was Rosalind offered a position? What was she going to be doing there?

At the last minute she found out she would be working on _____ and not _____.

(She had just entered the Race for the Double Helix without even knowing it.)

In 1943 Oswald Avery did his famous transformation experiments. This supported the idea that it was _____ (and not protein) that controlled heredity.

King's College was " _____ " for DNA research.

Franklin was working hard and getting good results. She developed her own _____ and also discovered that there were two _____ of DNA.

Until she separated them most people were probably looking at a _____. They give very different images.

The _____ shape of the photo gives it away as a _____.

Why did Rosalind Franklin concentrate on the A form?

Was Watson and Crick's first model a success? What was Rosalind's reaction to it?

Is X-ray diffraction technology still used today for DNA research?

What is different than in the 1950's?

Is the famous Photo 51 of the A or B form ?

Watson is afraid that once _____ gets Franklin's data that he will figure out the problem and 'win' the race.

What shape did Linus Pauling propose for the DNA molecule?

What was one of the main reasons he was wrong?

What was Erwin Chargaff's contribution?

What did Rosalind think of the new model the next time?

Where had Rosalind Franklin gone to work after working on DNA?

What specific topic did she work on?

What is this quote from? "Scientist: Her research and discoveries on viruses remain of lasting benefit to mankind. April 16th, 1958. "

In 1962 three scientists got the Nobel Prize for their work on DNA. WHO were they?

Anybody mention Rosalind Franklin at that time?