Honors Biology Name:

*Chargaff’s Investigation: Determining the ratio of nitrogenous bases*

What year did Chargaff’s investigation occur?

Discuss the goal of Erwin Chargaff’s investigation?

What are the nitrogenous bases?

Which base is not found in DNA?

What are the three differences between DNA and RNA?

Which of the nitrogenous bases bond with each other?

How did Chargaff double check his findings (How did he know his findings were universal)?

Create a graph of the numbers you calculated in the question above (use your graphing guide I gave you).

Here is a math problem: If there are 220 Adenine bases in a section of DNA and it composed 26% of the total bases. How many of each type of base were there (remember Chargaff’s rules)?

Summarize the findings of Chargaff’s investigation (Chargaff’s rules).