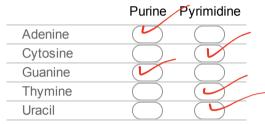
Chapter 3.1-3.2 and 24.1-24.2

Due Tuesday at 8:00

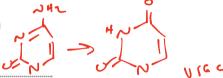
Your username (grossoehmen2@mailbox.winthrop.edu) will be recorded when you submit this form. Not grossoehmen2? Sign out

1. Match the base (columns) with its corresponding organic frame (rows).

Mark only one oval per row.



2. Please answer problem number 4 from Chapter 3.



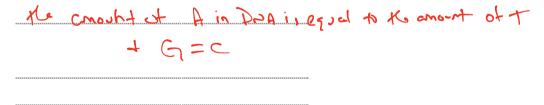
3. Please answer problem number 5 from Chapter 3.

Mark only one oval per row.

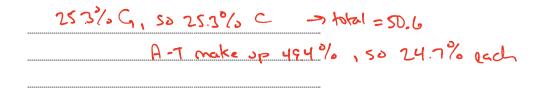
Yes, this is a valid reaction No, this is not a valid reaction



4. Edwin Chargaff discovered the first reliable quantitative methods to study DNA. His experiments led to the universally true Chargaff's Rule. What does this rule this tell us?



5. The E. coli K12 genome is 25.3% Guanine. Determine the % of the genome that is made up by Adenosine.



	Chapter 3.1-3.2 and 24.1-24.2
6.	Summarize the four main features of the Watson and Crick model of DNA structure.
	2 chains make helical exis
	chains are onti-parallel (533)
	Sogar Phosphale bade book to these C core Planer base point form
7.	Single stranded RNA cannot form 2D or 3D structures. Mark only one oval.
	False
8.	What is meant by "supercoiling" of DNA and why is it important for living cells?
	DAA halies car wrep around itself to Firm very condense structures.
	- this allows whole generous to fit into a cell
9.	The hydrogen bonds formed in a double helix do not account for very much stabilization energy. What intermolecular forces are important in the stabilization of a double helix? Select all that apply. Check all that apply.
	In-ion - backbare interacts will cations; however this dres no provide must dipole-dipole stabilization energy ion-dipole I stacking London Dispersion Forces
10	For each IMF that you selected in the previous question, explain why it is important
	Se above
11.	Please answer question 14 in Chapter 3 of your book
	low (Net) regards that to backbone repel, itself. [[Net) stabilizes backbone

■ Send me a copy of my responses.

