Report for VC Micro Lab Exercise 8
Biomechanical Char. Carbohydrate Ferm, Starch Digestion, DNA Hydrolysis, Urea Hydrolysis, and Triple Sugar Iron Agar

Date _____ Name _____
Section _____ Grade: Report _____
Quiz _____
Total _____

1. Provide the biomechanical reaction for each of the following:
   a. Starch hydrolysis

   b. DNA hydrolysis

   c. Carbohydrate fermentation

   d. Peptone utilization

   e. Urea hydrolysis

   f. Hydrogen sulfide production and the production of iron sulfide

2. Using results obtained during pick-up lab fill in the following:

Organism	*Starch hydrolysis* (+ *or* −)	*Initials*
_____	_____	_____
_____	_____	_____

In the space below, draw and color accurately the results seen on your starch agar plate. Indicate which results are positive and which are negative.

3. Record the results of your DNAase test.

Organism	*DNAase (+ or −)*

Draw the results of your DNAase in the space below. Label positive and negative results.

4. Record the results of your Durham carbohydrate fermentation tubes.

Organism	*Glucose*	*Sucrose*	*Lactose*

In the space below draw and color accurately, **all the possible results** in carbohydrate fermentation tests with Durham tubes.

5. Record the results of your urea hydrolysis tubes.

Organism	*Urease* (+ *or* –)

Draw and color accurately the *possible results* of urea hydrolysis. Indicate which tube is positive and which is negative.

6. Record the results of all TSI slants

Organism	*Results*

In the space below draw and color accurately *all possible* results with TSI.