SC.912.L.16.3 Describe the basic process of DNA replication & how it relates to the transmission & conservation of the genetic information

SC.912.L.16.5 Explain the basic processes of transcription & translation, & how they result in the expression of genes

	Le	arning Goal	· · · · · · · · · · · · · · · · · · ·	
Level 1	Level 2	Level 3	Level 4	
With help, partial success at score 2.0 content & score 3.0 content	I can *Define each vocabulary word in this unit * Identify a structure of DNA and RNA *Identify the steps for DNA replication * Compare and contrast	 I can Explain the steps for DNA replication Explain the steps related to transcription Explain the steps related to translation 	I can *Design a model of DNA *Analyze how transcription effects gene expression * Analyze how translation effects gene expression	You will have your two co See SCHOO Access Schoo http://stjoh Username: Password:
	transcription and translation			rassword.

Summative Assessment will be administered: Date: Monday, Nov. 19th

HOMEWORK

Mark the text, including the figures, read, and create two column notes. We will use the following pages below from your Science textbook to learn the benchmarks.

(These Dates Do Not Change)

Place completed homework in your binder

Record your quiz score for each lesson.

 13.2 Tł	ne Stru	icture	of DN	А (р.	418-423) Due	: Nov. 1st	
			. ,					

13.3 DNA Replication (p. 424-427) Due: Nov. 5th

14.1 RNA (p. 440-444) Due:. Nov. 7th

14.2 Ribosomes and Protein Synthesis (p. 445-450) Due: Nov. 9th

14.4 Mutations (p. 457-461) Due: Nov. 13th

ave a quiz after reading each lesson above. You will be permitted to use

column notes. (There are no quiz corrections) OLOGY for resources.

oology:

hnsschools.schoology.com/

The letter s with student number followed by @stjohns.k12.fl.us

ELEMENTS	0=F	1=D	C=2	3=B	4=A
1. Define : replication, helicase, primase, DNA polymerase, ligase, messenger RNA, ribosomal RNA, transfer RNA, transcription, RNA polymerase, promoter, intron, exon, polypeptide, genetic code, codon, anticodon, translation, anticodon, gene expression, mutation, point mutation, frameshift mutation, mutagen					
2. Describe: the structure and function of deoxyribose nucleic acid (DNA)					
3. Explain: the steps for DNA replication					
4. Describe the structure and function of ribose nucleic acid (RNA)					
5. Compare and Contrast transcription and translation					
6. Explain how mutations affect genes					

You must include a minimum of three dates for each element until you reach a level B

Record your Quizlet scores here _____ Record your Study Island score here _____

IF YOU HAVE INCOMPLETE HOMEWORK YOU DO NOT QUALIFY FOR GRADE

RECOVERY.

Grade Recovery will be administered on Tuesday and Thursday during Excel Session B. You must earn 80% on the Study Island Practice Session to qualify for Grade Recovery.

Student Name: _____

What did I do to prepare: Circle all that apply: *Tracked learning, Two Column Notes, Viewed Power Point in* Schoology, Quizlet, Study Island, Other:

Predict your grade: Record your actual grade:

Analyze: