

**Daily Lesson Plans
Chapter 8--DNA to
proteins**

Academic Biology

Mar 11-15, 2019

**Mrs. Linda Henry
Unit: Heredity**

**Standards with
Objectives**

Activities

Evaluation

Enrichments

1.

3.1.10A5—relate life processes to cellular and sub-cellular levels structures and functions

Monday---page 243 from online textbook for seat work in preparation for test

Tuesday--review for Test

2. assess student knowledge of DNA, RNA, Protein synthesis and mutations

Wednesday--Test on Chapter 6 DNA and protein synthesis

Thursday--Friday--go over test and begin chapter on Evolution. Pass out power notes and study guides and discuss early evolutionary through

page 243 from textbook--the chapter review

review for test

Chapter 8 Test on DNA / RNA and protein synthesis

Try the standards based assessment for this chapter on page 209 of your textbook. Many of these will be similar to your Biology Keystone Exam questions later this year!

Adaptations for activities and tutoring:

1. Concept map
2. Word search
3. Critical thinking essays
4. Flashcards
5. Section reviews
6. Chapter reviews
7. Read chapter highlights

**Daily Lesson Plans
Chapter 8--DNA to
proteins**

**Biology Laboratory
(Every other day)**

Mar 11-15, 2019

**Mrs. Linda Henry
Unit: Heredity**

**PA Academic
Standards and
Objectives**

Activities

Evaluations

Enrichment

- 1. 3.1.10A5—
relate life
processes to
cellular and
sub-cellular
levels
structures and
functions**
- 2. 3.1.10.A6—ide
ntify the
advantages of
multicellularit
y in organisms**
- 3. analyze nuclear
DNA and
Mitochondrial
DNA for crime
scenes**

SAS packet #4 on
Mitosis and Meiosis

DNA to proteins and
mutations packet

Keystone review
packet #4

Investigation on
DNA, protein
synthesis and
mutations

Go Online! To
HMDSscience.com
For virtual labs, poison
frogs and Biozine
articles

Adaptations for
activities and
tutoring:

1. Concept map
 2. Word search
 3. Critical
thinking
essays
 4. Flashcards
 5. Section
reviews
 6. Chapter
reviews
 7. Read chapter
highlights
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Daily Lesson Plans Chapter 3-Microscopes and stains	Introduction to Microbiology	Mar 11-15, 2019	Mrs. Linda Henry Unit: Background of Microbiology and the control of bacteria
PA Academic Standards and Objectives	Activities	Evaluations	Enrichment
<p>3.1.10.A5—relate the life processes of cellular and subcellular structures to their function</p> <p>2. . list the steps in the brightfield microscope focus</p> <p>3. differentiate between resolution and refracting index</p> <p>4. explain the steps in making a smear</p> <p>5. list the steps in a simple stain</p> <p>6. list the steps in the Gram stain</p>	<p>Monday--go over HW and pass out the Chapter 3 study guide. Assign matching and essays.</p> <p>Tuesday--Wednesdays--Gram staining sample bacteria...</p> <p>Thursday--review for test</p> <p>Friday-Test on Chapter 3</p>	<p>Notes on Ch. 3 page 73 for HW</p> <p>Gram staining techniques</p> <p>Review for test</p> <p>Chapter 3 Exam on microscopes and stains.</p>	<p>Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.</p> <p>Adaptations for tutoring and activities:</p> <ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlight

Daily Lesson Plans Chapter 11- Hair and Fiber evidence	Introduction to Forensics (B days--every other day)	Mar 11-15, 2019	Mrs. Linda Henry Unit:Types of class evidence
PA Academic Standards with Objectives	Activities	Evaluations	Enrichment
1. 3,4,10.A-technology and how it impacts scientific endeavors	Monday--begin notes on Hair evidence. HW read crime and discover who killed the wife using hair evidence.	Notes on Hair evidence	Try clinical applications on page 24-25 in your text for practice in higher critical thinking skills.
2. 3.1.10.B4—explain how technologies have impacted the field of forensics.	Wednesday--viewing hair under the microscope.....head, arm, eyebrow hair.	Look at Hair samples through the microscope	Adaptations for tutoring and activities:
3. list the three parts of the hair shaft		microscope hair analysis	<ol style="list-style-type: none"> 1. Concept maps 2. Word search 3. Critical thinking essays 4. Flashcards 5. Section reviews 6. Chapter reviews 7. Read chapter highlights
4. list the types of cuticles	Friday--continue notes and assign the review of microscopic hair analysis....		
5. differentiate between types of cortex structures			
6. explain the difference			

**between
medulla of
human and
animal hair**

- 7. explain how
hair grows and
the three stages
of hair growth**

Daily Lesson Plans Chapter 1--	Advanced Biology	May 14--18, 2018	Mrs. Linda Henry Unit:
PA Standards with Objectives	Activities	Evaluations	Enrichment
			Try clinical applications on page 24-25 in your text for practice in higher

			<p>critical thinking skills.</p> <p>Adaptations for tutoring and activities:</p> <ol style="list-style-type: none">1. Concept maps2. Word search3. Critical thinking essays4. Flashcards5. Section reviews6. Chapter reviews7. Read chapter highlights
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