

Ms. Gardner  
Science 8  
Week of: May 18-24  
Content: Genetics – Chapter 5, Lesson 3  
**Assessments due by Sunday, May 24 at midnight**

**Office Hours: (via Meet Now on Teams)**

Tuesday 11:00-12:00  
Wednesday 2:00-3:00  
Thursday 9:00-10:00  
Friday 11:00-12:00

Learning Goals:

Describe the structure of DNA; Identify bases in a DNA strand; Explain how scientists determined the structure of DNA

Activities/Tasks: (all assignments can be found on Assignments)

Day 1

- Warm-up** for Monday, May 18
- Chapter 5 Lesson 3 vocab definitions**

Day 2

- What Does DNA Look Like – Part 1**  
Read and listen to the PowerPoint notes on DNA. There is a video embedded in the notes and it should play when you get to that slide. There is no work to submit for this assignment, but you may want to take notes as you will have a graded comprehension check to complete.

Day 3

- Warm-up** for Wednesday, May 20
- DNA Structure WS – Page 1 ONLY** – Click on the link in the assignment and draw the DNA structure on paper. Follow the color-coding instructions.

Day 4

- DNA Structure Comprehension Check**

Assessments

1. Warm-ups for 5/18 and 5/20
2. Chapter 5 Lesson 3 vocab definitions
3. DNA Structure Comprehension Check
4. DNA Structure WS

Ms. Gardner  
Principles of Chemistry  
Week of: May 18-May 24  
Content: Exercise Chemistry  
**Assessments due by Sunday, May 24 at midnight**

**Office Hours: (via Meet Now on Teams)**

Tuesday 11:00-12:00  
Wednesday 1:00-2:00  
Thursday 9:00-10:00  
Friday 11:00-12:00

Learning Goals:

Explain how muscles contract and fatigue; List the benefits of exercise on the body and brain; Explain the link between exercise and stress

Activities/Tasks:

- Warm-up Question for Monday, May 18**
  
- Lactic Acid Activity** – Find a clothespin. Hold the clothespin with your thumb and forefinger. Quickly open and close the clothespin – as fast as you can – for one minute. Use your phone as a timer. How do your fingers feel after a minute?
- Muscle Chemistry Video** - <https://www.youtube.com/watch?v=rLsimrBoYXc>  
Watch “The surprising reason our muscles get tired” and complete the Muscle Chemistry Notes.
  
- Warm-up Question for Wednesday, May 20**
  
- Exercise and the Brain Video** - [https://www.youtube.com/watch?v=xpy\\_rAWSWkA](https://www.youtube.com/watch?v=xpy_rAWSWkA)  
Watch “Exercise, Stress, and the Brain” and complete the Exercise and the Brain Notes
  
- Exercise and the Body Video** - <https://www.youtube.com/watch?v=wWGulLa000>  
Watch “What happens inside your body when you exercise?” and complete the Exercise and the Body Notes.

Assessments – DUE DATE: Sunday, May 24 at midnight

1. Warm-ups 5/18 and 5/20
2. Muscle Chemistry Notes WS
3. Exercise and the Body Notes WS
4. Exercise and the Brain Notes WS