

## Preview for Lecture Assignment

# #6: DNA STRUCTURE & REPLICATION

1. Watch Video.
2. Answer Questions.
3. Write a Summary. Other Options: If you are a visual learner, you are welcome to draw out your summary. If you are an auditory learner, you are welcome to record a verbal summary and submit it electronically.
4. Submit this in the first 5 minutes of class in the lecture we cover this content. Or submit electronically on Canvas before the start of class.

### Chapter 9.1-9.2

Or

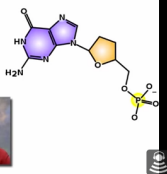
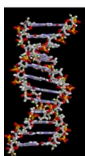
### These Videos:

**Vid#1: (Time: 10:30)**

[https://www.youtube.com/watch?time\\_continue=5&v=q6PP-C4udkA](https://www.youtube.com/watch?time_continue=5&v=q6PP-C4udkA)

What is DNA?

Nucleotide



**Vid#2: (Time: 10:09)**

[https://www.youtube.com/watch?v=FBmO\\_rmXxlw](https://www.youtube.com/watch?v=FBmO_rmXxlw)



### Questions:

1. Vid1: What is the building block (monomer) of DNA?
2. Vid1: What are the 4 different nucleotides and how do they bond to each other?
3. Vid2: Why is it called the semi-conservative method of DNA Replication?
4. Vid 2: Write out the basic steps of DNA replication starting at helicase:
  - First the DNA starts as a double helix then Helicase \_\_\_\_\_
  - \_\_\_\_\_