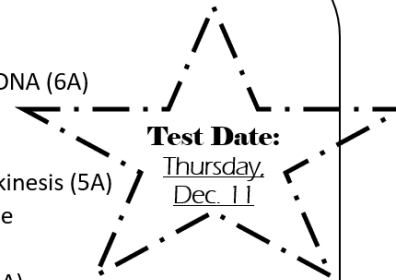


## Expectation Sheet: DNA Replication and Cell Cycle Unit 7



### I CAN -

- 1. diagram and label the components of a DNA molecule, structure of DNA (6A)
- 2. describe the role of enzymes in a cellular reaction (9C)
- 3. describe when and why DNA synthesis occurs in the cell cycle (5A)
- 4. sequence the stages of interphase (G1,S,G2), mitosis (PMAT) & cytokinesis (5A)
- 5. describe what occurs in each phase of interphase and mitosis and the importance of the cell cycle (5A)
- 6. Identify phases of the cell cycle including cytokinesis using images (5A)
- 7. discuss why checkpoints are important and disruptions result in diseases such as cancer (5C)
- 8. Identify factors that cause mutations that disrupt the cell cycle (5C)



**Test Date:**  
Thursday  
Dec. 11

### Words to Know

Synthesis, Complementary strand, DNA polymerase, Mitosis, Cell cycle, Interphase, Cytokinesis, Sister chromatids, Chromosome, Cancer, Tumor, Carcinogen, Somatic cell, Centromere

## Calendar

\*\*\*\* This is a tentative calendar and subject to change.

Monday 12/2	Tuesday 12/3	Wednesday 12/4	Thursday 12/5	Friday 12/6
<p><b>Topic:</b> Cell Energy &amp; Protein Synthesis <b>Activities:</b> Unit progress check &amp; Pre-Assessment for Cell Cycle</p>	<p><b>Topic:</b> DNA Replication <b>Activities:</b> DNA review and Replication lesson <b>By the end of the period I can:</b> 1, 2, 3 Mrs. Napier is out today</p>	<p><b>Topic:</b> Cell Cycle <b>Activities:</b> DNA warm up/exit ticket Cell Cycle Foldable <b>By the end of the period I can:</b> 1,2,3,4,5,6</p>	<p><b>Topic:</b> Cell Cycle <b>Activities:</b> DNA warm up/exit ticket Cell Cycle Foldable <b>By the end of the period I can:</b> 1,2,3,4,5,6</p>	<p><b>Topic:</b> Cell Cycle <b>Activities:</b> Card sort and cut outs <b>By the end of the period I can:</b> 3,4,5,6</p>
Monday 12/9	Tuesday 12/10	Wednesday 12/11	Thursday 12/12	Friday 12/13
<p><b>Topic:</b> Cancer <b>Activities:</b> Identify causes of Cancer and disruptions in cell cycle <b>By the end of the period I can:</b> 7,8</p>	<p><b>Topic:</b> DNA Replication &amp; Cell Cycle <b>Activities:</b> Review for test <b>By the end of the period I can:</b> 1,2,3,4,5,6,7,8</p>	<p>..... <b>DNA Replication and Cell Cycle Exam</b></p>	<p>Unit progress check  <b>Review for Final</b></p>	<p><b>Review for Final</b></p>