**Unit: Photosynthesis/Cellular Respiration**

**Tentative Timeline: 4 weeks**

**Test: January 30th and January 31st**

**Chapters: 8 and 9**

**Essential Questions:**

* How do organisms store energy?
* What cellular structures are involved in photosynthesis?
* How do photosynthetic organisms convert solar energy into chemical energy?
* Why do organisms undergo cellular respiration?
* How do cells release energy from food without oxygen?

**LEARNING GOALS:**

* Contrast the difference between Autotrophs and Heterotrophs
* Explain the chemical equation for photosynthesis
* Discuss factors that affect photosynthesis
* Identify ATP and its role in cellular respiration and photosynthesis
* Explain the purpose of cellular respiration and photosynthesis
* Compare photosynthesis and cellular respiration

**Vocabulary:**

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| * Photosynthesis
* Cellular Respiration
* ATP
* Heterotroph
* Autotroph
* Pigment
* Chlorophyll
* Thylakoid
* Stroma
* Light-dependent reactions
 | * Light-Independent Reactions
* Electron Transport Chain
* Calorie
* Aerobic
* Anaerobic
* Glycolysis
* Fermentation
* Lactic Acid
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ASSIGNMENTS FOR UNIT:

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