**Guided Notes SC.912.L.18.9 – Explain the interrelated nature of photosynthesis and cellular respiration.**

**Key Point #1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Photosynthesis**

**Equation: H2O (\_\_\_\_\_\_\_) + CO2 (\_\_\_\_\_\_\_\_\_\_) 🡪 O2 (\_\_\_\_\_\_\_\_\_) + C6H1206 (\_\_\_\_\_\_\_\_)**

Where does this process take place?

**Cellular Respiration**

**Equation: O2 (\_\_\_\_\_\_\_\_\_) + C6H1206 (\_\_\_\_\_\_\_\_) 🡪 H2O (\_\_\_\_\_\_\_) + CO2 (\_\_\_\_\_\_\_\_\_\_) + \_\_\_\_\_\_\_\_\_\_\_\_**Where does this process take place?

**Key Point #2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**Key Point #3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Photosynthesis: Energy is captured by the sun and then transformed and stored in a glucose molecule.
Cellular Respiration: Energy is released from the glucose molecule and broken down to make ATP.