**Cellular Respiration**

Purpose: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Absorbs/Starts with: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Produces: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Photosynthesis**

Purpose: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Absorbs: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Produces: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* + 1. In pairs, have one student arrange your cards to show the equation for PHOTOSYNTHESIS. The second student should arrange the cards to reflect the equation for CELLULAR RESPIRATION.
    2. Once you have done this, raise your hand for your teacher to check it.
    3. If it is correct read the following questions, think about the answer, then discuss the answers with your partner. Between the two generate the best answer to all parts of the questions on the left side journal entry on the previous slide.

Answer the following 4 questions below your entry.

* + - * How are these two equations alike? Dissimilar? Why are these equations structured like this?
      * Explain how photosynthesis is responsible for the construction of the of plant cells.
      * Does photosynthesis take place in animal cells? Why or why not? Justify your answer.
      * Does cellular respiration take place in plant cells? Why or why not? Justify your answer.