Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class\_\_\_\_\_\_\_\_\_\_\_\_

Cellular Respiration/Photosynthesis Tic-Tac-Toe

Directions: complete three projects out of the following. The three projects don’t be in a row, but you must do the middle square

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| Board Game | Riddle | Collage |
| Make a board game that can be played to learn at least 10 facts concerning cellular respiration and 10 facts concerning photosynthesis. | Write a riddle for 10 different facts about photosynthesis and cellular respiration that give hints to its identity, but does not give the identity away. | Create a collage that illustrates the affects, uses, and processes of a food web and energy flow. Be sure to label each part of your collage and explain your reasoning for its placement on the back of your collage. |
| Dialogue / Debate | Report-  How does it affect you? | Report-  Other Planets |
| Write the dialogue of a debate between a plant and an animal, where they are debating why their method of energy retrieval (respiration vs. photosynthesis) is superior to their opponents method. | Write a report about how photosynthesis and cellular respiration has effected you. Be sure to include pictures, diagrams and any information you have learned about in class | Write a paper discussing your predictions of how cellular respiration and photosynthesis might appear on another planet. This planet must have an atmosphere that is different from the earth’s atmosphere. Explain your reasoning for each set of predictions. |
| Diagram of Both | Rap / Song | Lesson Plan |
| Create or draw a visual diagram that shows the stages of photosynthesis and cellular respiration. | Write a rap or song that discusses photosynthesis and cellular respiration. | Design a fun and interesting “lesson plan” to teach photosynthesis and cellular respiration to 5th graders. |

**Attach any papers to this sheet.**