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|  | Location on Foldable | Question |
| 1 | Front flap under the name of the chemical reaction | Draw a picture of the organelle in which the reaction takes place and identify what type of cell(s) contains that organelle. |
| 2 | Side of Front FlapPhotosynthesis side | Record the reactants of photosynthesis and describe the reactants with a small picture or symbol. |
| 3 | Top of Front FlapPhotosynthesis Side | Record the products of photosynthesis and describe the products with a small picture or symbol. |
| 4 | Side of Front FlapCellular Respiration Side | Record the reactants of cellular respiration and describe the reactants with a small picture or symbol. |
| 5 | Top of Front FlapCellular Respiration Side | Record the products of cellular respiration and describe the products with a small picture or symbol. |
| 6 | Underneath Front FlapPhotosynthesis Side | Write out a balanced chemical equation for photosynthesis. |
| 7 | Underneath Front FlapCellular Respiration Side | Write out a balanced chemical equation for cellular respiration. |
| 8 | Inside of Front FlapPhotosynthesis Side | Draw photosynthesis in picture form. Label all of the products and reactants in your illustration. Be sure to illustrate the energy flow in the organism with arrows. |
| 9 | Inside of Front FlapCellular Respiration Side | Draw cellular respiration in picture form. Label all of the products and reactants in your illustration. Be sure to illustrate the energy flow in the organism with arrows. |
| 10 | BackTop | Answer the Question: What are the elements in photosynthesis and cellular respiration and identify each element’s number of protons electrons and neutrons? |
| 11 | BackMiddle | Answer the Question: What state of matter are these elements in at room temperature? |
| 12 | BackBottom | Answer the Question: What is the most important element in the cycle (flow) of photosynthesis and cellular respiration? Justify your answer. |