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| Square 1 – Candle Energy Conversion  Diagram and label how the candle is similar to Cellular respiration  Short Description | Square 2 – Cellular Respiration Model – Diagram and label how yeast in sugar water demonstrated cellular respiration. Label how reactants and products entered and left the yeast cell membrane.  Short Description: |
| **Square 3 – Cellular Energy Conversion**/**Cellular Respiration**  Cell Level - Show how reactants and products enter cell and leave cell (Diffusion, osmosis, active transport(transport protein)Diagram 1 Show Aerobically - # of ATP produced  Extra Credit Diagram 2 Show Anaerobically - # of ATP produced  Short Description: | Square 4 – DID A MINI LAB WITH BOOKS AND OUTSTRECHED ARMS - PDF’d NOTES – WORKED WELL  In the previous boxes highlight or underline with colored pencils   * Fuel – Stored Energy/ Reactant # 1 (Blue) * Fuel Helper/ Reactant #2 (Red) * Energy Released (yellow) * Products (orange)   On the back of this paper answer the following questions using COMPLETE sentences:   1. What similarities are there between cellular respiration and a candle burning? 2. How does oxygen play a role in cellular respiration? 3. What are the reactants in order to create ATP in all living things? 4. Why is ATP important? 5. What causes animal cells to go from aerobic to anaerobic cellular respiration and why does it hurt? 6. How does your body adapt? |