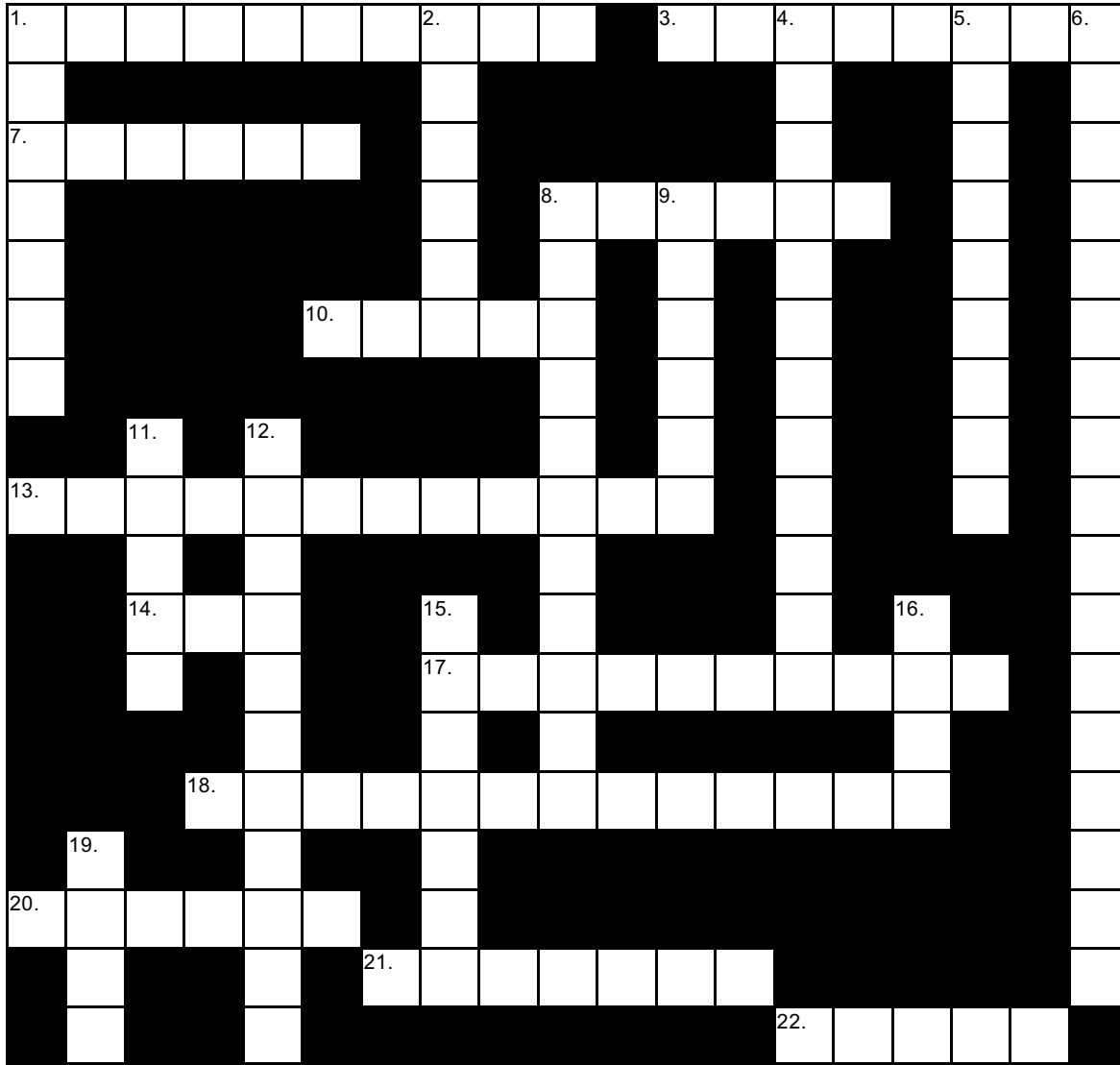


# Crossword Puzzle: *Cell Respiration*



## ACROSS

## DOWN

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| <ol style="list-style-type: none"> <li>1. .dica civuryp fo selucelom 2 otni nwod nekorb si esoculg erehw ssecorP</li> <li>3. Location of ETC: inner mitochondrial _____ .</li> <li>7. Dairy product formed via lactic acid fermentation.</li> <li>8. ETC creates strong gradient of this positive particle.</li> <li>10. O<sub>2</sub> accepts electrons from ETC and becomes this: H<sub>2</sub>O.</li> <li>13. This process occurs in anaerobic conditions.</li> <li>14. Adenosine triphosphate – energy molecule of the cell.</li> <li>17. Fermentation products include alcohol and _____ .</li> <li>18. Product of aerobic respiration; used in photosynthesis.</li> <li>20. Location of Krebs cycle: mitochondrial _____ .</li> <li>21. This simple sugar/monosaccharide can yield 36 ATPs if it undergoes complete aerobic respiration.</li> <li>22. The _____ Cycle</li> </ol> | <ol style="list-style-type: none"> <li>1. The chemical name of table sugar.</li> <li>2. Like 7 <i>across</i>, production of this dairy product also involves lactic acid fermentation.</li> <li>4. Organelle where aerobic respiration occurs.</li> <li>5. Environment where fermentation occurs; “no oxygen”</li> <li>6. ETC: _____ Chain.</li> <li>8. End product of glycolysis.</li> <li>9. Element required for <i>aerobic</i> respiration.</li> <li>11. This baked good “rises” due to fermentation by yeast.</li> <li>12. In aerobic conditions, cell _____ can yield much more energy than processes like fermentation.</li> <li>15. Fermentation products include lactic acid and _____ .</li> <li>16. Fermented grape juice; red or white.</li> <li>19. FADH<sub>2</sub> &amp; this molecule provide electrons for the ETC.</li> </ol> |
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