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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Photosynthesis & Cellular respiration

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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1C |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 2A |  L |  C |  O |  H |  O |  L |  I |  C |  F |  E |  R |  M |  E |  N |  T |  A |  T |  I |  O |  N |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  R |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  B |  |  |  |  |  |  |  |
|  |  |  |  |  | 3C |  E |  L |  L |  U |  L |  A |  R |  R |  E |  S |  P |  I |  R |  A |  T |  I |  O |  N |  |  |  |  |  |  |
|  | 4P |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  N |  | 5A |  |  |  |  |  |
|  |  H |  |  |  |  |  |  |  |  |  |  |  | 6A |  |  |  | 7E |  |  |  |  |  D |  |  U |  |  |  |  |  |
|  |  O |  |  |  |  |  |  |  |  |  |  |  |  T |  |  |  |  L |  |  | 8T |  |  I |  |  T |  |  |  |  |  |
|  |  T |  |  |  |  |  |  |  |  |  | 9A |  T |  P |  | 10H |  |  E |  | 11C |  H |  L |  O |  R |  O |  P |  H |  Y |  L |  L |
|  |  O |  |  |  |  |  |  |  |  |  |  |  |  S |  |  E |  |  C |  |  |  Y |  |  X |  |  T |  |  |  |  |  |
|  |  S |  | 12L |  I | 13G |  H |  T |  E |  N |  E |  R |  G |  Y |  |  T |  |  T |  |  |  L |  |  I |  |  R |  |  |  |  |  |
|  |  Y |  |  |  |  L |  |  |  |  |  |  |  |  N |  |  E |  |  R |  |  |  A |  |  D |  |  O |  |  |  |  |  |
| 14E |  N |  E | 15R |  G |  Y |  |  |  |  |  | 16W |  A |  T |  E |  R |  |  O |  |  |  K |  |  E |  |  P |  |  |  |  |  |
|  |  T |  |  E |  |  C |  |  |  |  |  |  |  |  H |  |  O |  |  N |  |  |  O |  |  |  |  H |  |  |  |  |  |
|  |  H |  |  A |  | 17O |  X |  Y |  G |  E |  N |  | 18L |  A |  C |  T |  I |  C |  A |  C |  I |  D |  |  |  S |  |  |  |  |  |
|  |  E |  |  C |  |  L |  |  |  |  |  |  |  |  S |  |  R |  |  A |  |  |  D |  |  |  |  |  | 19N |  |  |  |
|  |  S |  |  T |  |  Y |  | 20G |  L |  U | 21C |  O |  S |  E |  |  O |  |  R |  |  | 22S |  T |  O |  M | 23A |  T |  A |  |  |  |
|  |  I |  |  A |  |  S |  |  |  |  |  H |  |  |  |  |  P |  |  R |  |  |  |  |  |  |  N |  |  D |  |  |  |
|  |  S |  |  N |  |  I |  |  |  |  |  L |  |  |  |  |  H |  |  I |  |  |  |  | 24A |  |  A |  |  P |  |  |  |
|  |  |  |  T |  |  S |  |  | 25P |  H |  O |  T |  O |  S |  Y |  S |  T |  E |  M |  |  |  |  E |  |  E |  |  H |  |  |  |
|  |  |  |  S |  |  |  |  |  |  |  R |  |  |  |  |  |  |  R |  |  |  |  |  R |  |  R |  |  |  |  |  |
|  |  |  |  |  |  |  | 26C |  Y |  T |  O |  P |  L |  A |  S |  M |  |  S |  | 27A |  C |  H |  O |  L |  O |  L |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  P |  |  |  |  |  |  |  |  |  |  |  |  B |  |  B |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  L |  |  |  |  |  |  |  |  |  |  |  |  I |  |  I |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 28G |  R |  A |  N |  A |  |  |  |  | 29K |  R |  E |  B |  S |  C |  Y |  C |  L |  E |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 30M |  I |  T |  O |  C |  H |  O |  N |  D |  R |  I |  A |  |  |  |  |  |  |  |  |  |  |

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| **Across****2.** type of respiration without oxygen used by organisms such as yeast **3.** The opposition of photosynthesis **9.** Adenosine triphosphate **11.** Absorbs light energy, pigment that it's green color**12.** Energy used by plants to produce their own food**14.** Ability to do work**16.** H2O**17.** O2 **18.** Too much exercise and not enough oxygen can cause **20.** C6H12O6**22.** tiny holes in the leaves where carbon dioxide and oxygen enter and exit **25.** Light collecting units of the chloroplast **26.** Place where cells perform glycolysis **27.** Fermentation with yeast makes**28.** Thylakoids are stacked=**29.** takes glycolysis to produce carbon dioxide and high energy electrons **30.** Organelle found in all organisms that is the site of aerobic cellular respiration  | **Down****1.** CO2**4.** Makes glucose from sunlight **5.** Organisms that use light energy from the sun to produce food **6.** protein that uses energy from H+to form ATP and ADP**7.** Carry the high energy electrons **8.** Chloroplasts contain sac like structures called **10.** Obtain energy from the foods they consume**13.** Step on in cellular respiration-split glucose **15.** The starting material in a chemical reaction **19.** NADP+ becomes **21.** green pigment **23.** Respiration without oxygen **24.** with oxygen  |