Science Test – Chapter 5 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| 1. \_\_\_\_organ | 1. The process by which cells use oxygen to obtain usable energy from an energy source |
| 1. \_\_\_\_cellular respiration | 1. The process by which cells obtain energy from an energy source without using oxygen |
| 1. \_\_\_\_aerobic cellular respiration | 1. The green pigment that aids in capturing light energy necessary for photosynthesis |
| 1. \_\_\_\_ anaerobic cellular respiration | 1. Anaerobic cellular respiration that produces alcohol and carbon dioxide from glucose |
| 1. \_\_\_\_alcoholic fermentation | 1. Two or more tissues that work together to perform a specific function |
| 1. \_\_\_\_lactic acid fermentation | 1. Water pressure inside a plant cell’s central vacuole; causes the stiffness of the plant cell |
| 1. \_\_\_\_photosynthesis | 1. The process by which cells obtain usable energy from energy sources |
| 1. \_\_\_\_chlorophyll | 1. A type of anaerobic cellular respiration that produces lactic acid from sugar |
| 1. \_\_\_\_tissue | 1. A group of similar cells that together perform a specific function |
| 1. \_\_\_\_turgor pressure | 1. The process that forms simple sugars from carbon dioxide and water, using light energy in the presence of chlorophyll |

Multiple choice: Choose the best answer that fulfills each statement.

1. \_\_\_\_ What is the most common energy source in cellular respiration?
   1. Sugar
   2. Salt
   3. Oxygen
   4. Enzymes
2. \_\_\_\_ When the functions of an organism are performed by different parts of the body is called \_\_\_\_\_\_\_\_?
   1. Cellular respiration
   2. Photosynthesis
   3. Division of labor
   4. Catalysts
3. \_\_\_\_ Which organelle is associated with recharging certain molecules during cellular respiration?
   1. Lysosomes
   2. Rhibosomes
   3. Mitochondria
   4. Golgi bodies
4. \_\_\_\_ In what organelle does photosynthesis occur?
   1. Lysosomes
   2. Golgi bodies
   3. Vacaoules
   4. Chloroplasts
5. \_\_\_\_ The main product of photosynthesis is \_\_\_\_\_\_\_?
   1. Lactic acid
   2. Carbon dioxide
   3. Sugar
   4. Chlorophyll

What is the equation for photosynthesis?

What is the equation for cellular respiration?

Extra Credit:

The water molecules the produce turgor pressure collect inside the cell in the large \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?