Cell Processes Vocabulary Matching - KEY

Match the correct definition to the vocabulary words by placing the letter next to the term.

1. vesicle\_\_L\_ A. a green pigment that captures light energy for photosynthesis

2. diffusion \_D\_\_ B. the smallest unit of a compound

3. glucose \_\_\_I\_ C. the process by which plants, algae, and some bacteria use sunlight, carbon dioxide, and water to make food

4. ATP\_\_E\_\_ D. the movement of particles from regions of higher concentration to regions of lower concentration

5. endocytosis \_\_F\_\_ E. adenosine triphosphate is the molecule of energy released from the breakdown of sugar

6. DNA\_\_J\_\_ F. the process by which a cell membrane surrounds a particle and encloses the particle in a vesicle to bring the particle into the cell

7. cellular respiration\_\_T\_\_ G. the process in which a cell releases particle by enclosing the particle in a vesicle that then moves to the cell surface and fuses with the cell membrane

8. pigment\_\_P\_\_ H. the diffusion of water through a semipermeable membrane

9. cell cycle\_\_O\_\_ I. a simple sugar molecule produced by plants in the process of photosynthesis

10. semi-permeable membrane\_\_M\_\_ J. deoxyribonucleic acid is a molecule that is present in all living cells and that contains the information that determines the traits a living thing inherits and needs to live

11. molecule\_\_B\_\_ K. a process of cell division that forms two new nuclei, each of which has the same number of chromosomes

12. osmosis\_\_H\_\_ L. a sac formed from pieces of the cell membrane

13. active transport\_\_Q\_\_ M. a membrane that allows only certain particles to cross into or out of the cell

14. photosynthesis\_\_C\_\_ N. in a eukaryotic cell, one of the structures in the nucleus that are made up of DNA and protein; in a prokaryotic cell, the main ring of DNA

15. homeostasis\_\_S\_\_ O. the life cycle of a cell P. a chemical that reflects color

16. chlorophyll\_\_\_A\_\_ Q. the movement of substances across the cell membrane that requires the cell to use energy

17. mitosis\_\_\_K\_ R. the movement of substances across a cell membrane without the use of energy by the cell

18. chromosome\_\_\_N\_ S. the maintenance of a constant internal state in a changing environment

19. exocytosis\_\_G\_\_ T. the process by which cells use oxygen to produce energy from food

20. passive transport\_\_\_R\_