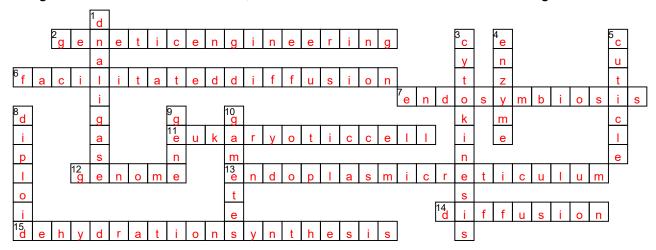
AP Biology Vocabulary Crossword Puzzle 10

1. Using the Across and Down clues, write the correct words in the numbered grid below.



ACROSS

- 2. The process of combining the DNA of two different organisms.
- 6. The movement of molecules across the cell membrane without the use of ATP, but with the help of a protein.
- 7. The theory that eukaryotic cells arose from prokaryotic cells that lived closely together to the point that we now call these former cells "mitochondria" and "chloroplasts."
- 11. A cell with a nucleus and membrane bound organelles.
- 12. The entire complement of chromosomes in an individual.
- 13. The series of membranes inside the cell that allow for passage of materials through the cytoplasm and the synthesis of lipids.
- 14. Net passive movement of particles from a region of higher concentration to region of lower concentration until the concentration of substances is uniform throughout.
- 15. The type of reaction that links together monomers to make polymers and release water in the process.

DOWN

- 1. The enzyme that splices DNA together in genetic engineering and the Okazaki fragments of replication.
- 3. After mitosis or meiosis it is the "splitting" of the cytoplasm to form two or four new cells each with its own nucleus.
- 4. An organic catalyst that lowers the activation energy of chemical reactions in organisms thus increasing the rate of reaction.
- 5. The waxy protective layer on plants that prevents desiccation.
- 8. Cells that have two copies of each kind of chromosome.
- 9. The section of DNA that is responsible for the production of one new polypeptide.
- 10. The haploid cells produce by meiosis.

enzyme gametes endoplasmic reticulum cytokinesis diploid DNA ligase facilitated diffusion eukaryotic cell gene diffusion endosymbiosis cuticle dehydration synthesis genetic engineering genome