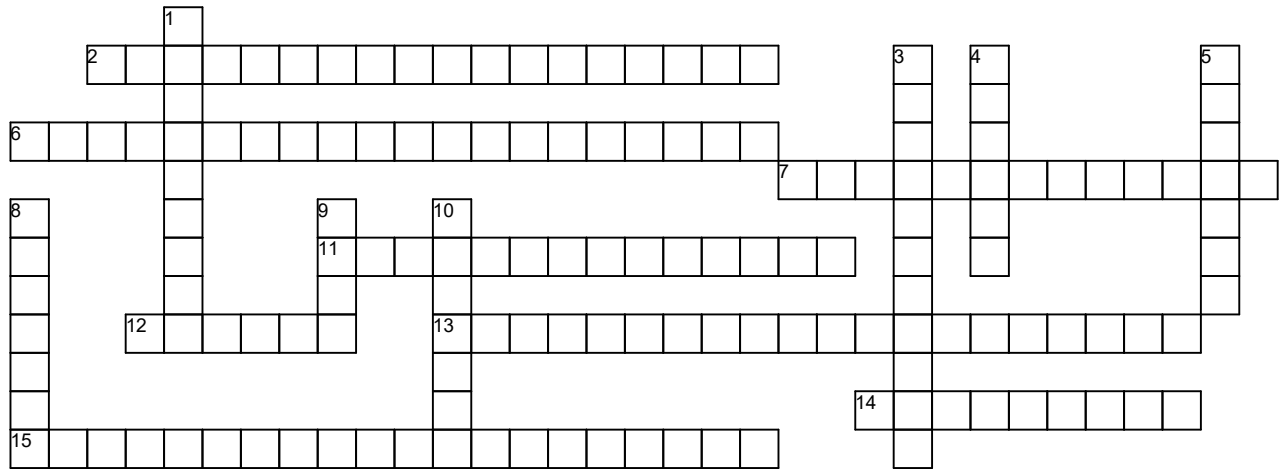


AP Biology Vocabulary Crossword Puzzle 10

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