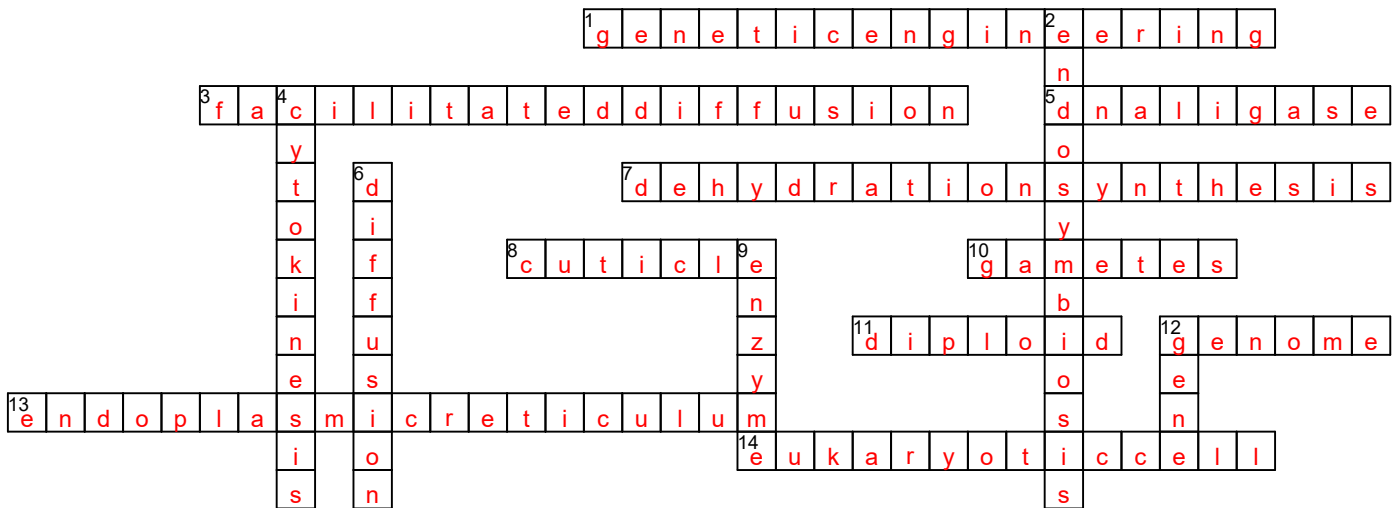


AP Biology Vocabulary Crossword Puzzle 3

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



ACROSS

- The process of combining the DNA of two different organisms.
- The movement of molecules across the cell membrane without the use of ATP, but with the help of a protein.
- The enzyme that splices DNA together in genetic engineering and the Okazaki fragments of replication.
- The type of reaction that links together monomers to make polymers and release water in the process.
- The waxy protective layer on plants that prevents desiccation.
- The haploid cells produce by meiosis.
- Cells that have two copies of each kind of chromosome.
- The entire complement of chromosomes in an individual.
- The series of membranes inside the cell that allow for passage of materials through the cytoplasm and the synthesis of lipids.
- A cell with a nucleus and membrane bound organelles.

diploid

gametes

genome

dehydration synthesis

genetic engineering

enzyme

gene

endosymbiosis

diffusion

eukaryotic cell

DOWN

- 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."
- After mitosis or meiosis it is the "splitting" of the cytoplasm to form two or four new cells each with its own nucleus.
- Net passive movement of particles from a region of higher concentration to region of lower concentration until the concentration of substances is uniform throughout.
- An organic catalyst that lowers the activation energy of chemical reactions in organisms thus increasing the rate of reaction.
- The section of DNA that is responsible for the production of one new polypeptide.

cytokinesis

DNA ligase

facilitated diffusion

endoplasmic reticulum

cuticle