

# AP Biology Vocabulary Matching 10

Write the word that best matches each definition or clue.

1. ENDOSYMBIOSIS 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."
2. FACILITATED DIFFUSION The movement of molecules across the cell membrane without the use of ATP, but with the help of a protein.
3. CUTICLE The waxy protective layer on plants that prevents desiccation.
4. GAMETES The haploid cells produce by meiosis.
5. DEHYDRATION SYNTHESIS The type of reaction that links together monomers to make polymers and release water in the process.
6. ENZYME An organic catalyst that lowers the activation energy of chemical reactions in organisms thus increasing the rate of reaction.
7. DNA LIGASE The enzyme that splices DNA together in genetic engineering and the Okazaki fragments of replication.
8. DIPLOID Cells that have two copies of each kind of chromosome.
9. GENOME The entire complement of chromosomes in an individual.
10. ENDOPLASMIC RETICULUM The series of membranes inside the cell that allow for passage of materials through the cytoplasm and the synthesis of lipids.
11. DIFFUSION Net passive movement of particles from a region of higher concentration to region of lower concentration until the concentration of substances is uniform throughout.
12. GENETIC ENGINEERING The process of combining the DNA of two different organisms.
13. GENE The section of DNA that is responsible for the production of one new polypeptide.
14. CYTOKINESIS After mitosis or meiosis it is the "splitting" of the cytoplasm to form two or four new cells each with its own nucleus.
15. EUKARYOTIC CELL A cell with a nucleus and membrane bound organelles.

enzyme

diffusion

endoplasmic reticulum

genetic engineering

cuticle

diploid

gene

dehydration synthesis

genome

cytokinesis

eukaryotic cell

endosymbiosis

DNA ligase

facilitated diffusion

gametes