

# AP Biology Vocabulary Matching 3

Write the word that best matches each definition or clue.

1. \_\_\_\_\_ The series of membranes inside the cell that allow for passage of materials through the cytoplasm and the synthesis of lipids.
2. \_\_\_\_\_ The enzyme that splices DNA together in genetic engineering and the Okazaki fragments of replication.
3. \_\_\_\_\_ Cells that have two copies of each kind of chromosome.
4. \_\_\_\_\_ The type of reaction that links together monomers to make polymers and release water in the process.
5. \_\_\_\_\_ The waxy protective layer on plants that prevents desiccation.
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."
8. \_\_\_\_\_ The section of DNA that is responsible for the production of one new polypeptide.
9. \_\_\_\_\_ After mitosis or meiosis it is the "splitting" of the cytoplasm to form two or four new cells each with its own nucleus.
10. \_\_\_\_\_ An organic catalyst that lowers the activation energy of chemical reactions in organisms thus increasing the rate of reaction.
11. \_\_\_\_\_ A cell with a nucleus and membrane bound organelles.
12. \_\_\_\_\_ The haploid cells produce by meiosis.
13. \_\_\_\_\_ Net passive movement of particles from a region of higher concentration to region of lower concentration until the concentration of substances is uniform throughout.
14. \_\_\_\_\_ The entire complement of chromosomes in an individual.
15. \_\_\_\_\_ The process of combining the DNA of two different organisms.

DNA ligase

gametes

eukaryotic cell

diffusion

genetic engineering

endosymbiosis

cuticle

dehydration synthesis

cytokinesis

endoplasmic reticulum

enzyme

facilitated diffusion

diploid

genome

gene