

# AP Biology Vocabulary Matching 24

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. \_\_\_\_\_ Net passive movement of particles from a region of higher concentration to region of lower concentration until the concentration of substances is uniform throughout.
3. \_\_\_\_\_ The movement of molecules across the cell membrane without the use of ATP, but with the help of a protein.
4. \_\_\_\_\_ The enzyme that splices DNA together in genetic engineering and the Okazaki fragments of replication.
5. \_\_\_\_\_ Cells that have two copies of each kind of chromosome.
6. \_\_\_\_\_ The entire complement of chromosomes in an individual.
7. \_\_\_\_\_ A cell with a nucleus and membrane bound organelles.
8. \_\_\_\_\_ The type of reaction that links together monomers to make polymers and release water in the process.
9. \_\_\_\_\_ The section of DNA that is responsible for the production of one new polypeptide.
10. \_\_\_\_\_ The process of combining the DNA of two different organisms.
11. \_\_\_\_\_ The waxy protective layer on plants that prevents desiccation.
12. \_\_\_\_\_ After mitosis or meiosis it is the "splitting" of the cytoplasm to form two or four new cells each with its own nucleus.
13. \_\_\_\_\_ An organic catalyst that lowers the activation energy of chemical reactions in organisms thus increasing the rate of reaction.
14. \_\_\_\_\_ 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."
15. \_\_\_\_\_ The haploid cells produce by meiosis.

gametes

eukaryotic cell

diploid

cuticle

endosymbiosis

endoplasmic reticulum

dehydration synthesis

genetic engineering

cytokinesis

genome

diffusion

DNA ligase

gene

facilitated diffusion

enzyme