

AP Biology Vocabulary Matching 17

Write the word that best matches each definition or clue.

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

diffusion

cytokinesis

endosymbiosis

enzyme

diploid

genetic engineering

endoplasmic reticulum

gametes

eukaryotic cell

genome

dehydration synthesis

cuticle

gene

DNA ligase

facilitated diffusion