

AP Biology Vocabulary Matching 19

Write the word that best matches each definition or clue.

1. _____ RNA made from DNA that carries the nucleotide template to the ribosome for protein synthesis.
2. _____ Proteins embedded in the cell membrane which allow organisms to differentiate between self and non-self cells.
3. _____ The type of nuclear division that leads to four nuclei with a haploid complement of chromosomes produced from one diploid nucleus.
4. _____ The monomer subunit that links together along the sugar phosphate backbone to form nucleic acids.
5. _____ Bond formed between adjacent amino acids; between carboxyl group of one amino acid and amine group of other amino acid.
6. _____ The transport of molecules across the cell membrane without the use of energy.
7. _____ The type of nuclear division that leads to two nuclei with the entire diploid complement of chromosomes.
8. _____ The theory that explains how a population changes over time to reflect the individuals who are most successful.
9. _____ Membrane bound cell organelle that contains genetic material.
10. _____ The hormone that lowers blood sugar by having it stored as glycogen in the liver and increasing cellular uptake.
11. _____ A change in the DNA either by changing a chromosome's structure or the order of nucleotides.
12. _____ The type of population growth where the population has reached the carrying capacity and stays at a relatively constant level as indicated by a J curve.
13. _____ The gland that releases glucagon and insulin to help control blood sugar.
14. _____ The physical appearance of an organism as a result of the interaction of its genotype and environment.
15. _____ In eukaryotic cells it is the site of the Krebs cycle and electron transport chain of aerobic cellular respiration.

mitochondria
passive transport
logistic growth
insulin

nucleus
pancreas
mitosis
peptide bond

phenotype
nucleotides
messenger RNA
natural selection

mutation
meiosis
marker proteins