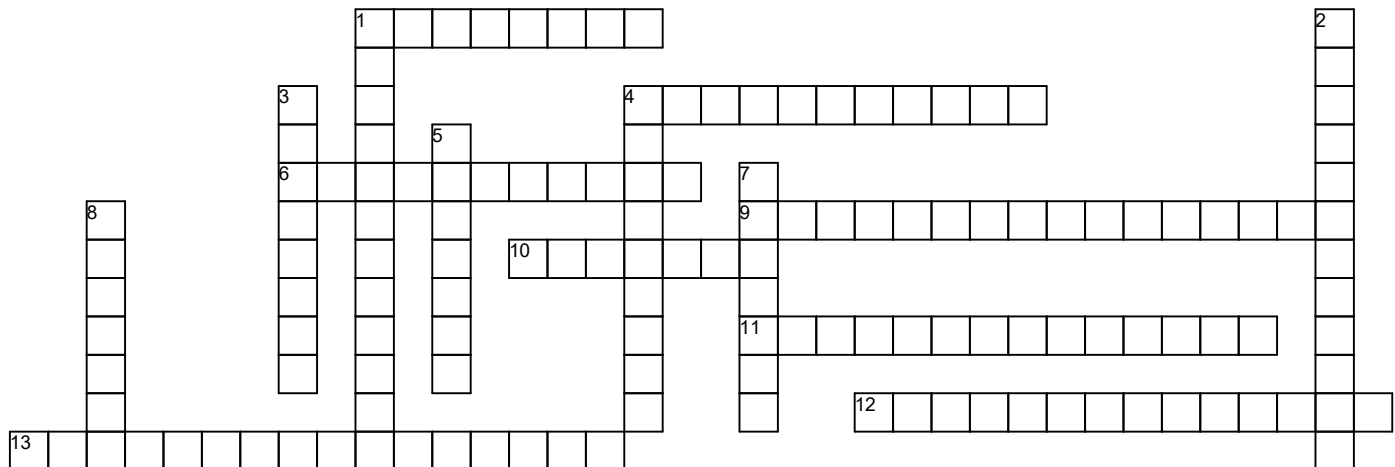


# AP Biology Vocabulary Crossword Puzzle 12

1. Using the Across and Down clues, write the correct words in the numbered grid below.



## ACROSS

1. A change in the DNA either by changing a chromosome's structure or the order of nucleotides.
4. Bond formed between adjacent amino acids; between carboxyl group of one amino acid and amine group of other amino acid.
6. The monomer subunit that links together along the sugar phosphate backbone to form nucleic acids.
9. The theory that explains how a population changes over time to reflect the individuals who are most successful.
10. The type of nuclear division that leads to two nuclei with the entire diploid complement of chromosomes.
11. 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.
12. Proteins embedded in the cell membrane which allow organisms to differentiate between self and non-self cells.
13. The transport of molecules across the cell membrane without the use of energy.

## DOWN

1. In eukaryotic cells it is the site of the Krebs cycle and electron transport chain of aerobic cellular respiration.
2. RNA made from DNA that carries the nucleotide template to the ribosome for protein synthesis.
3. The gland that releases glucagon and insulin to help control blood sugar.
4. The physical appearance of an organism as a result of the interaction of its genotype and environment.
5. The type of nuclear division that leads to four nuclei with a haploid complement of chromosomes produced from one diploid nucleus.
7. The hormone that lowers blood sugar by having it stored as glycogen in the liver and increasing cellular uptake.
8. Membrane bound cell organelle that contains genetic material.

passive transport

peptide bond

mutation

messenger RNA

nucleus

natural selection

phenotype

logistic growth

nucleotides

mitosis

meiosis

insulin

pancreas

mitochondria

marker proteins