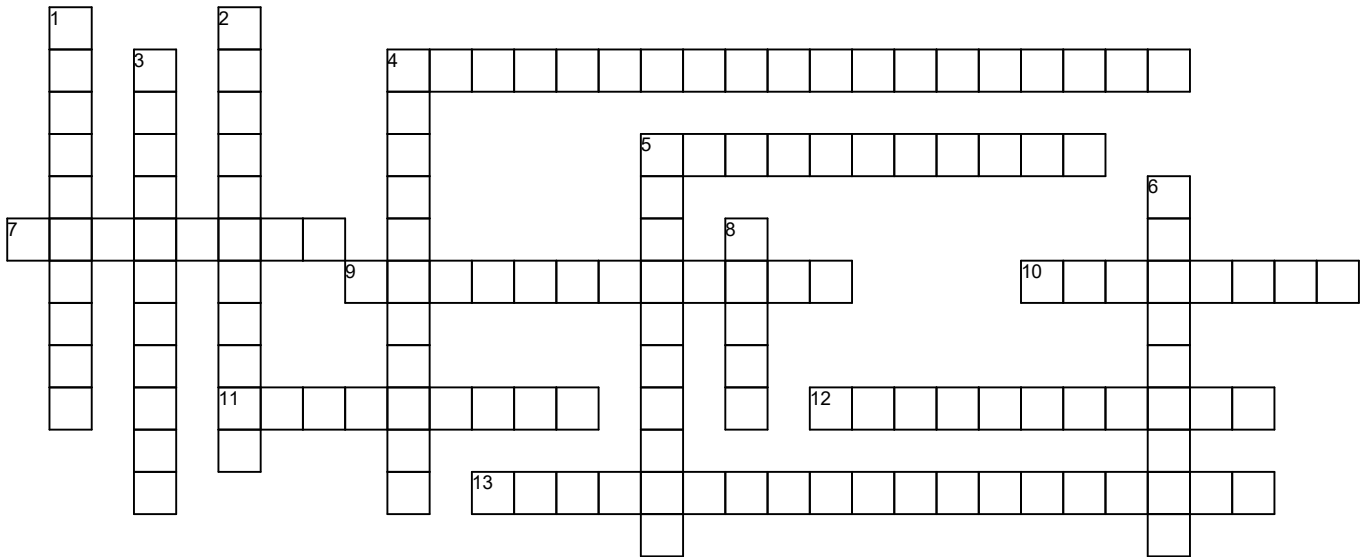


# AP Biology Vocabulary Crossword Puzzle 23

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



## ACROSS

4. The process of breaking down glucose to make ATP.
5. The cell part responsible for photosynthesis in eukaryotic cells.
7. The attractive force between polar molecules of the same substance.
9. An intramolecular bond where atoms are sharing electrons equally.
10. Structural part of some cells that can be made of cellulose, peptidoglycan, or chitin depending on what kingdom the organism belongs to.
11. The unwound form of DNA that is accessible for making RNA.
12. The green pigment molecule found in the chloroplasts of higher plants and in cells of photosynthetic microorganisms which is primarily involved in absorbing light energy for photosynthesis.
13. The many characteristics of the experimental group and control group which are held constant.

## DOWN

1. An organelle near the nucleus of a cell that contains the centrioles (in animal cells) and from which the spindle fibers develop in cell division.
2. Form of dominance in which the alleles of a gene pair in a heterozygote are fully expressed thereby resulting in offspring with a phenotype that is neither dominant or recessive.
3. The steroid embedded in the cell membrane that keeps the membrane fluid and strong.
4. The DNA when it is wrapped up tightly around proteins during metaphase.
5. The region of a chromosome to which the microtubules of the spindle attach, via the kinetochore, during cell division.
6. The continuous series of events that all somatic cells go through that includes interphase, mitosis, and cytokinesis.
8. The three nucleotide combination on the messenger RNA that matches up with the three letter combination on the transfer RNA and has the information to code for one amino acid.

cohesion  
chloroplast  
chlorophyll  
centromere

codon  
chromatin  
chromosomes  
cell cycle

cellular respiration  
controlled variables  
cholesterol  
cell wall

centrosome  
codominance  
covalent bond