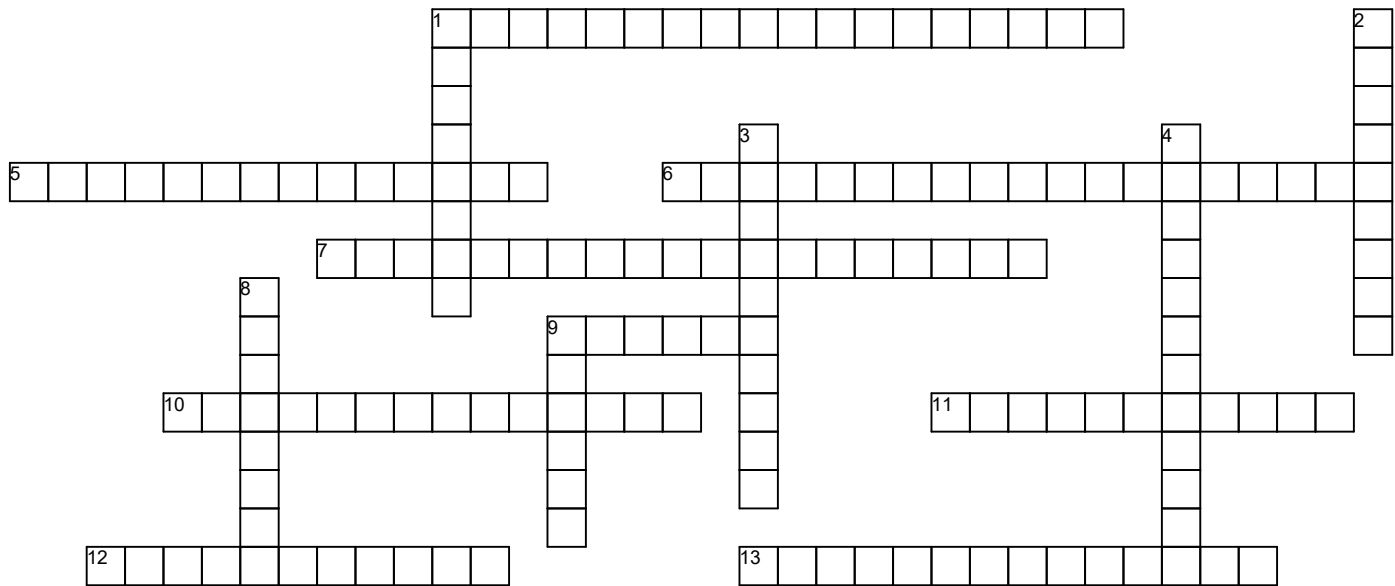


AP Biology Vocabulary Crossword Puzzle 27

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



ACROSS

1. Enzymes that are used to "cut" DNA into pieces that often have "sticky" ends.
5. The chemical reaction that makes glucose and oxygen from water and carbon in the presence of sunlight.
6. The two layers of phospholipids arranged in such a way that their hydrophobic tails are projecting inwards while their polar head groups are projecting on the outside surfaces.
7. The amount of photosynthesis in an ecosystem.
9. The liquid noncellular component of blood.
10. The gland that controls the release of hormones from many other glands.
11. The duplication of the DNA during the middle "s phase" of interphase during the cell cycle.
12. Cells that have no nucleus or membrane bound organelles.
13. The outer selectively permeable membrane bilayer of all cells.

DOWN

1. The part of the cell responsible for dehydration synthesis of proteins using the mRNA template.
2. A bond where the atoms are sharing electrons unequally creating small negative and positive charges on the atoms.
3. The members of a species within a specific area that has gene flow between its members.
4. A molecular component of a ribosome, the cell's essential protein factory.
8. The kingdom that has predominantly unicellular eukaryotic organisms including algae, protozoans, and slime molds.
9. The vascular tissue in plants that transports food from leaves to the rest of the plant.

population
prokaryotic
plasma
ribosome
pituitary gland

plasma membrane
primary productivity
protista
phospholipid bilayer
restriction enzymes

polar bond
ribosomal RNA
photosynthesis
replication
phloem