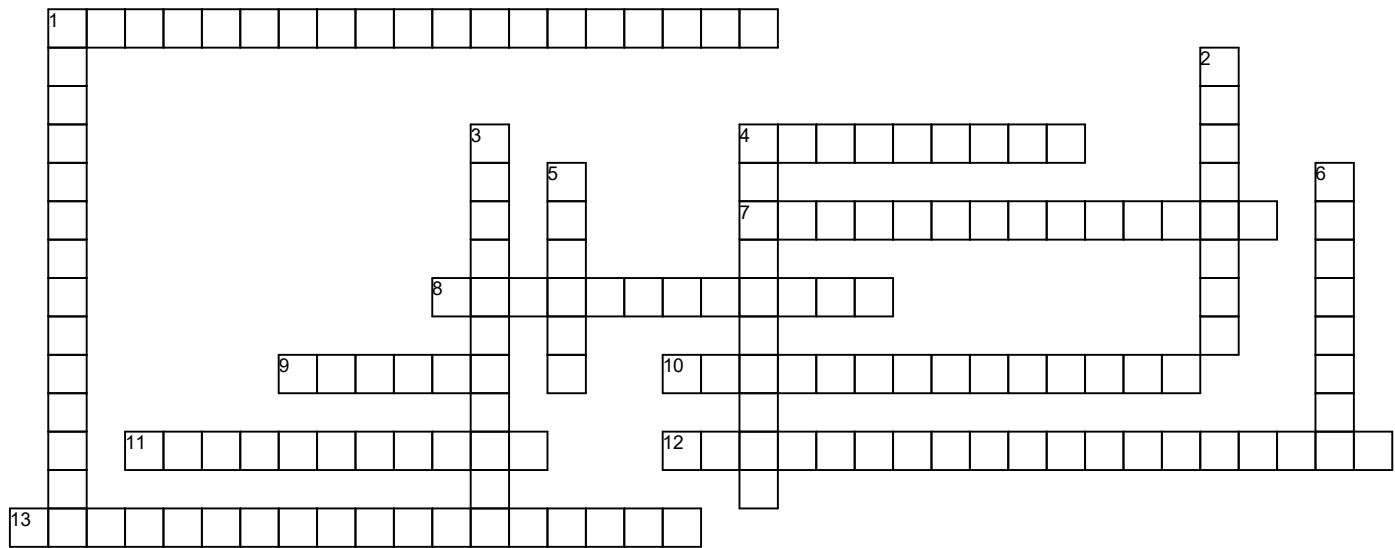


# AP Biology Vocabulary Crossword Puzzle 20

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



## ACROSS

1. The amount of photosynthesis in an ecosystem.
4. A bond where the atoms are sharing electrons unequally creating small negative and positive charges on the atoms.
7. The chemical reaction that makes glucose and oxygen from water and carbon in the presence of sunlight.
8. A molecular component of a ribosome, the cell's essential protein factory.
9. The liquid noncellular component of blood.
10. The gland that controls the release of hormones from many other glands.
11. Cells that have no nucleus or membrane bound organelles.
12. 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.
13. Enzymes that are used to "cut" DNA into pieces that often have "sticky" ends.

## DOWN

1. The outer selectively permeable membrane bilayer of all cells.
2. The kingdom that has predominantly unicellular eukaryotic organisms including algae, protozoans, and slime molds.
3. The duplication of the DNA during the middle "s phase" of interphase during the cell cycle.
4. The members of a species within a specific area that has gene flow between its members.
5. The vascular tissue in plants that transports food from leaves to the rest of the plant.
6. The part of the cell responsible for dehydration synthesis of proteins using the mRNA template.

plasma  
pituitary gland  
photosynthesis  
polar bond  
protista

ribosome  
ribosomal RNA  
replication  
phospholipid bilayer  
restriction enzymes

primary productivity  
plasma membrane  
population  
phloem  
prokaryotic