

# AP Biology Vocabulary Matching 6

Write the word that best matches each definition or clue.

1. \_\_\_\_\_ Enzymes that are used to "cut" DNA into pieces that often have "sticky" ends.
2. \_\_\_\_\_ The outer selectively permeable membrane bilayer of all cells.
3. \_\_\_\_\_ A bond where the atoms are sharing electrons unequally creating small negative and positive charges on the atoms.
4. \_\_\_\_\_ The liquid noncellular component of blood.
5. \_\_\_\_\_ 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.
6. \_\_\_\_\_ Cells that have no nucleus or membrane bound organelles.
7. \_\_\_\_\_ The duplication of the DNA during the middle "s phase" of interphase during the cell cycle.
8. \_\_\_\_\_ The amount of photosynthesis in an ecosystem.
9. \_\_\_\_\_ The part of the cell responsible for dehydration synthesis of proteins using the mRNA template.
10. \_\_\_\_\_ The kingdom that has predominantly unicellular eukaryotic organisms including algae, protozoans, and slime molds.
11. \_\_\_\_\_ The members of a species within a specific area that has gene flow between its members.
12. \_\_\_\_\_ The chemical reaction that makes glucose and oxygen from water and carbon in the presence of sunlight.
13. \_\_\_\_\_ The gland that controls the release of hormones from many other glands.
14. \_\_\_\_\_ The vascular tissue in plants that transports food from leaves to the rest of the plant.
15. \_\_\_\_\_ A molecular component of a ribosome, the cell's essential protein factory.

plasma membrane  
pituitary gland  
ribosomal RNA  
replication  
phospholipid bilayer

polar bond  
phloem  
primary productivity  
photosynthesis  
protista

prokaryotic  
restriction enzymes  
population  
plasma  
ribosome