

# AP Biology Vocabulary Matching 6

Write the word that best matches each definition or clue.

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