

# AP Biology Vocabulary Matching 27

Write the word that best matches each definition or clue.

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

phloem  
restriction enzymes  
replication  
primary productivity  
phospholipid bilayer

population  
pituitary gland  
plasma  
protista  
plasma membrane

polar bond  
photosynthesis  
ribosome  
prokaryotic  
ribosomal RNA