AP Biology Vocabulary Matching 20

Write the word that best matches each definition or clue.

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

protista	photosynthesis	phospholipid bilayer
ribosome	phloem	ribosomal RNA
prokaryotic	plasma membrane	population
polar bond	replication	plasma
primary productivity	pituitary gland	restriction enzymes