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## **AP Biology Unit 2 Test Questions with 100% Correct Answers**

2 organelles that contain their own DNA separate from the chromosome Correct Answer Mitochondria and chloroplast

What domains fall under prokaryotic cells? Correct Answer Bacteria and archaea

What are the basic features of all cells? Correct Answer Membrane, cytoplasm, chromosomes, ribosomes

This organelle synthesizes lipids, metabolizes carbohydrates, detoxifies poison, and stores calcium Correct Answer Smooth ER

This cell is characterized by having DNA in a nucleus that is bound by a nuclear envelope and membrane bound organelles Correct Answer Eukaryotic cell

This is a membranous sac of hydrolytic enzymes that can digest macromolecules Correct Answer Lysosome

The \_\_\_\_\_ is a selective barrier that allows oxygen, nutrients, and wastes to service the volume of every cell Correct Answer Plasma membrane

Ribosomes use the information from the DNA to make what Correct Answer Proteins

This cell type is characterized by having no nucleus, but instead a nucleoid, and no membrane bound organelles Correct Answer Prokaryotic cell

Diffusion through protein channels is known as what? Correct Answer Facilitated diffusion

Site of ribosomal RNA synthesis Correct Answer Nucleolus

What happens to a plant cell when placed in pure water (hypotonic solution)? Correct Answer It becomes turgid, cell wall protects from bursting

Site of photosynthesis Correct Answer chloroplast

These vacuoles pump excess water out of the cell Correct Answer Contractile

This ER lacks ribosomes Correct Answer Smooth ER

This organelle modifies products of the ER, manufactures certain macromolecules, sorts and packages materials into transport vesicles Correct Answer Golgi apparatus

# **Sample Biology 100 Test Questions And Answers**

**Dr. Sandeep Ahlawat**



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