

AP1, Exam 1, Vocabulary & Essays

Anatomy
Physiology
Organelles
Tissues
Organs
Organ system
Interdependency
Homeostasis
Variables
Negative feedback mechanism
Positive feedback mechanism
Receptor
Effector
Control center
Effector
Plasma membrane (cell membrane)
Fluid mosaic model
Lipid bilayer
Phospholipid
Hydrophilic
Hydrophobic
Integral protein
Peripheral protein
Carrier protein (transport Protein)
Non-gated channel protein
Gated channel protein
Voltage-gated channel protein
Ligand-gated channel protein
Receptor protein
Glycoprotein
Glycocalyx
Concentration
Concentration as a percentage
Concentration expressed as milliosmoles
Concentration gradient
Equilibrium
Passive membrane transport processes
Active membrane transport processes
Simple diffusion
Facilitated diffusion
Net diffusion
Osmosis
Osmotic pressure
Tonicity
Isotonic
Hypertonic
Hypotonic
Filtration
Solutes
Active transport (Primary active transport)

Vesicular transport
Exocytosis
Endocytosis
Clathrin proteins
V-SNARE proteins
T-SNARE proteins
Vesicle
Phagocytosis
Pinocytosis
Specificity
Competition
Saturation
Transport Max

Carbohydrates
Glucose
Lipids
Triglycerides
Proteins
Amino acids
Structural proteins
Functional proteins
Epithelial tissue
“free” body surfaces
Muscle tissue
Fibers
Myofilaments
Actin & myosin
Nervous tissue
Neuroglia
Connective tissue
Reactants
End products
Catalysts
Synthesis (anabolic) reaction
Decomposition (catabolic reaction)
Exchange reaction
Oxidation-reduction reaction

Possible essay questions for Exam 1:

- 1) Tell me all you know about NFBMs.
- 2) Tell me all you know about PFBMs.
- 3) Tell me all you know about homeostasis.
- 4) Tell me all you know about osmosis.
- 5) Tell me all you know about filtration.
- 6) Tell me all you know about primary active transport.