EXAM EXPECTATIONS
AP Biology
"Unit 3 Addendum to other Expectations"

STATE the type of electromagnetic radiation that snakes sense
STATE the name of the cytoplasmic extensions of neurons
STATE the protein that makes up actin and myosin
STATE the type of skeleton found in humans
STATE the composition of chitin
STATE Fick's Law
STATE the type of breathing that fills lungs with air
STATE the vessels where gas exchange occur
DEFINE interstitial fluid
DEFINE lymph, serum, synovial fluid
DEFINE chitin
DEFINE molting
DEFINE synaptic cleft
DEFINE gap junction
LIST LIST functions of the circulatory system
LIST factors that effect the rate of diffusion
LIST the different types sensory receptors found in vertebrates
LIST the different types of tropisms found in plants
LIST the levels of organization in a muscle
IDENTIFY the type of circulatory system associated with a given animal
IDENTIFY the source of energy for the cross bridge cycle in muscle contraction
IDENTIFY animals that have a network of nerve cells for sensing stimuli
IDENTIFY parts of peripheral and central nervous systems
IDENTIFY an example of counter-current exchange
OUTLINE the sodium potassium pump
OUTLINE the parts of an action potential (graph)
DESCRIBE the sliding filament theory
DESCRIBE an action potential
DESCRIBE gas exchange in the lungs
COMPARE arteries, arterioles, capillaries, venules and veins (in general)
COMPARE positive and negative pressure breathing
COMPARE presynaptic and postsynaptic membranes
COMPARE open and closed circulatory systems
EXPLAIN how gills are so efficient at gas exchange
PREDICT the effects on tissues if the interstitial fluid were to build up
DISCUSS how the circulatory system is involved in thermoregulation