

EXAM EXPECTATIONS
AP Biology
“Unit Three A Level”

SUGGEST movements that hydrostatic skeletons might not allow
SUGGEST how you might get bidirectional movement of action potentials in a neuron
SUGGEST long term effects of blocking lymphatic vessels
SUGGEST the structural changes that would have to occur for an insect to grow as large as a whale
DISCUSS the complete circuit that a red blood cell might take through the body
DISCUSS the role that counter current exchange plays in gas exchange
DISCUSS the effects on the resting potential should cellular potassium levels be elevated
EXPLAIN gas exchange in insects
EXPLAIN the role that large negative ions play in nerve cells
EXPLAIN the unidirectional movement of action potentials along neurons
EXPLAIN the general steps that occur when a person hears a sound
EXPLAIN rigor mortis
PREDICT effects on action & resting potentials in hypothetical situations where ions are manipulated
DETERMINE cardiac output
DETERMINE partial pressures of gases
ANALYZE partial pressures of gases and hydrostatic pressures to determine your location in the body