LIST the types of macromolecules that can be found in a plasma membrane

OUTLINE glycoproteins and glycolipids

OUTLINE the concept of "a chain being only as strong as its weakest link"

OUTLINE how water is able to move rapidly trough plasma membranes

OUTLINE characteristics of molecules that determine their ability to diffuse across plasma membranes

OUTLINE the route of flow (for a protein or lipid) through the endomembrane system

OUTLINE the functions of cellular organelles (limit to those in the powerpoint)

**OUTLINE** homeostasis

**OUTLINE** aguaporins

OUTLINE the terms hypotonic, isotonic and hypertonic

OUTLINE the process by which white blood cells eliminate bacteria and foreign particles

DESCRIBE the overall structure & function of plasma membranes

DESCRIBE the individual structure(s) & function(s) that make up a plasma membrane

COMPARE the ideal extracellular environment (tonicity) between animal and plant cells

COMPARE active and passive transport

COMPARE osmosis, diffusion, chemiosmosis and facilitated diffusion

COMPARE endocytosis, exocytosis, phagocytosis and pinocytosis

COMPARE the types of membrane transport utilized by cells with and without cell walls

COMPARE prokaryotic and eukaryotic cells

COMPARE negative and positive feedback loops

SUGGEST reason(s) for the evolution of photoperiods among plants

EXPLAIN the freeze fracture used to study cell membranes

EXPLAIN the selectively permeable characteristics associated with plasma membranes

EXPLAIN the bodies regulation of blood glucose levels

**EXPLAIN** migratory behavior

DEDUCE a cell's tonicity from its response to soaking in solutions with different tonicity

DEDUCE a type of feedback loop when given an example of a particular regulatory process in the body

DEDUCE whether a plant is a short-day or long-day plant given information about flowering under different conditions

PREDICT the outcome(s) of giving a patient a intravenous saline solution with a tonicity different from that of the patients blood

EVALUATE molecules or atoms and determine which are likely to pass through plasma membranes

EVALUATE % change of mass in dialysis bags to determine past, present or future tonicity of the bags themselves or the solution in which they are submerged