**Cell Membranes and Transport**

This is a list of all the vocabulary/concepts you will be responsible for in this chapter.

**Major Concepts:**

* Fluid mosaic model
* Concentration, water potential

**Components of the Membrane:**

* Intrinsic/extrinsic proteins
* Glycoproteins, Glycolipids
* Transport proteins: channel proteins, carrier proteins
* Receptor molecules, Antigens
* Cholesterol

**Transport:**

* Passive Transport:
  + Simple diffusion
    - Factors affecting rate
  + Osmosis,
    - Plasmolysis
    - Water potential
  + Facilitated diffusion
* Active transport methods
  + Active transport and protein pumps
  + bulk transport
    - Endocytosis
      * Phagocytosis
      * Pinocytosis
    - Exocytosis

**Exam on Tuesday: Cell Membranes and Transport**

These are the specific learning objectives from this section:

* Describe and explain the fluid mosaic model of membrane structure
* Outline the roles of phospholipids, cholesterol, glycolipids, proteins, and glycoproteins in membrane structure
* Outline the roles of cell surface membranes
* Differentiate between active and passive transport
* Differentiate between different types of passive transport
* Describe and explain the processes of diffusion, facilitated diffusion, osmosis,
* Describe different methods of bulk transport: endocytosis and exocytosis

**Summary Sheet**

Resources to help you make your Summary Sheet (the Summary Sheet is due at the time of the exam on Tuesday and is worth 10 points):

* Bio Factsheets (Cell Surface Membrane, Water Potential)
* Ch. 4 Coursebook Packet
* Membranes HW #1 and HW #2
* Class notes