**Topics for Cell Test**

* **Topics from Cell Quiz including:**
* Cell theory
Cell diversity - shape, size and organization
* Differences between prokaryotic and eukaryotic cells
 Differences between plant and animal cells
* 4 structures that all cells have in common
Types of organelles (from your Parts of a Eukaryotic Cell WS) and their functions
Types of protists and their modes of locomotion
* **Make-up of the cell membrane** (phosphate head, fatty acid tails, hydrophobic, hydrophilic, polar, nonpolar, proteins)
	+ Fluid mosaic model
* **Passive Transport** (no energy required) – 3 types:
	1. diffusion
	2. facilitated diffusion
	3. osmosis
		+ hypertonic solution
		+ hypotonic solution
		+ isotonic solution
* equilibrium
* concentration gradient – high to low concentration (with or down the gradient)
* **Active Transport** (energy required) – 3 types:
	1. cell membrane pumps – Na/K pump
	2. endocytosis
	3. exocytosis
	+ concentration gradient – low to high concentration (against the gradient)