* Stages of the Cell cycle
	+ Each stage, what happens in each, relative length of each stage and how it applies to the overall process of mitosis
	+ Regulation of each stage
	+ Genetic content at each stage
	+ Differences in cytokinesis in animal vs plant cells
	+ Visually recognize each stage of the cycle
* Overall importance and implications of cell division/mitosis in organisms
* What the cells activity and genetics is like in stages of nondivision
* What types of cells undergo and result from mitosis and meiosis
	+ Cell types that do not undergo mitosis/meiosis
* Vocabulary referring to genetic content as well as components within the cell cycle
* How the cell cycle applies to cancers
* Meiosis
	+ Stages, where meiosis takes place, cells resulting, genetic content within each stage
	+ Nodisjunction and resulting disorders, polyploidy
	+ Crossing over and genetic variation
	+ Variation within male and female offspring
* Difference and similarities between mitosis and meiosis
	+ In stages, genetic content, location of cells, cell types
* Karyotyping
* How mitosis and meiosis apply to asexual vs. sexual reproduction and advantages and disadvantages of each.

