**SEMESTER 2 BIOLOGY TOPIC REVIEW SHEET 2016**

* Your final exam will consist of 70 multiple-choice questions (35 per day).
* All questions will come from the 4 exams we took in class this semester.
* Units covered this semester:
	+ Genetics
	+ Evolution
	+ Taxonomy and classification
	+ Plant and animal interactions and systems
* The test will focus on:
	+ Inheritance of traits
		- Probability
		- Dominant vs recessive traits
		- Codominance, Incomplete dominance, multiple alleles
		- Sex-linked traits
		- Punnett squares (monohybrid and dihybrid) to predict genotypes and phenotypes
		- Test cross
		- Mutations
	+ The process of evolution
		- Natural selection
		- Adaptation’s role in evolution
		- Genetic drift
		- Evidence for evolution
		- Adaptive radiation, coevolution, divergent and convergent evolution
	+ Taxonomy and classification
		- Taxonomical hierarchy
		- Binomial nomenclature
		- Phylogenetic trees
	+ Plant and animal body systems and interactions
		- Plant and animal reproduction
		- Effects of hormones on plants and animals
		- Organ systems in the body – how they function and maintain homeostasis
		- Plant adaptations (tropisms)

**SAMPLE QUESTIONS**

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