***BIOLOGY 11 UNIT OUTLINE***

UNIT 4: TAXONOMY

A. Chapter 15: Classification Systems pp. 318-333

*Learning Outcomes:*

*It is expected that students will:*

* apply the Kingdom system of classification to study the diversity of organisms

*Knowledge:*

* principles of taxonomy
	+ taxa
	+ phylogenetic tree and cladogram
	+ dichotomous key
* taxonomy principles for classifying organisms:
	+ binomial nomenclature
* unifying characteristics of the evolutionary continuum across the kingdoms
	+ characteristics of the three domains Archaea, Bacteria, Eukarya
	+ characteristics of the kingdoms Archaebacteria, Eubacteria, Protista, Fungi, Plantae, and Animalia

*Vocabulary:*

Animalia, Archaebacteria, binomial nomenclature, biochemical relationship, cladogram, class, dichotomous key, embryological relationship, Eubacteria, eukaryotic cell, family, Fungi, genus, homologous structure, Monera, kingdom, order, phylogenetic tree, phylum, Plantae, prokaryotic cell, Protista, species, taxonomy, taxon

