

**UNIVERSITY OF THE WEST INDIES
CAVE HILL CAMPUS**

DEPARTMENT OF BIOLOGICAL & CHEMICAL SCIENCES

BL 14A - BIODIVERSITY I: THE PLANT KINGDOM

A CLASSIFICATION SYSTEM OF SELECTED PLANT GROUPS

INFORMAL GROUP NAME	BASIS FOR GROUPING	KINGDOM	DIVISION	INFORMAL NAME	APPROX. NO. LIVING SPP. DESCRIBED	
Blue-green `algae`	Prokaryotes	Monera	Prokaryophyta Cl. Cyanophyceae	Blue-green algae	1,700	
Algae	Chl. a & c	Plantae	Dinophyta	Dinoflagellates	1,000	
			Xanthophyta	Yellow-green algae	400	
			Chrysophyta			
			Cl. Bacillariophyceae	Diatoms	5,000	
			Cl. Chrysophyceae	Golden brown algae	350	
			Phaeophyta	Brown algae	1,500	
	Chl. a & d & } biliproteins }		Rhodophyta	Red algae	4,000	
	Chl. a & b		Euglenophyta	Euglenoids	800	
			Chlorophyta	Green algae	10,000	
Bryophytes	Embryos/no stele		Bryophyta			
			Cl. Hepaticae	Liverworts	8,500	
			Cl. Musci	Mosses	14,000	
Pteridophytes	Embryos/stele		Rhyniophyta		Extinct	
			Psilotophyta	Whisk Ferns	10	
			Lycopodiophyta	Club mosses	970	
			Equisetophyta	Horsetails	15	
			Pteridophyta	Ferns	9,800	
Gymnosperms	Embryos/stele/} seeds}		Cycadophyta	Cycads	160	
			Coniferophyta	Conifers	520	
Angiosperms	Embryos/stele/} seeds/carpels}		Anthophyta	Flowering plants		
			Cl. Dicotyledonae	Dicots	200,000	
			Cl. Monocotyledonae	Monocots	60,000	