

Name: _____ Block: _____ Date: _____

Key Characteristics of Kingdoms and Domains

Domain	Eukarya					
Kingdom	Eubacteria	Archaeobacteria				
Cell Type			Eukaryote	Eukaryote	Eukaryote	Eukaryote
Number of Cells		Unicellular		Mostly multicellular		Multicellular
Unique Cell Structures	Cell walls with peptidoglycan	Cell walls without peptidoglycan; unusual membrane lipids	If cell wall is present, contains cellulose; some have chloroplasts		Cell walls contain cellulose; contain chloroplasts	
Mode of Nutrition	Producers or consumers		Animal-like protists are consumers; plant-like protists are producers; some are both			
Mode of Reproduction			Asexual and sexual		Alternation of generations: one is sexual, the other asexual	
Other information		Mostly anaerobic, can't survive with oxygen; DNA is most similar to eukaryotes				
Examples	<i>Streptococcus, E. coli</i>		Amoeba, paramecia (A), Algae (P), Euglena			Sponges, worms, insects, fish, mammals