

Major Concepts		
1. Linnaean Classification		
2. Fossils		
3. Radioactive Dating		
4. Fossil Record and Genetic Analysis		
5. Theory of Evolution		
Random, Inheritable Variations		
Natural Selection		













Genetic Analys	sis	
Sequencing nucleic acids — New information on genetic distension e.g., chimpanzees and humans share	→ tance of species re 99% of DNA	
Shows that " <u>archae</u> bacteria" are <u>very</u> different from other (true) bacteria		
——> 3 domains (new hig Archaea Eubacteria	hest level) Eukaryotes (Eukarya)	

Examples of Classification			
	Human Beings	Garlic	
Domain	Eucarya	Eucarya	
Kingdom	Animalia	Plantae	
Phylum	Chordata	Angiospermophyta	
Class	Mammalia	Monocotyledonheae	
Order	Primates	Liliales	
Family	Hominidae	Liliaceae	
Genus	Homo	Allium	
Species	Sapiens	Sativum	











































Purpose in Evolution?

""That our earth is the only planet in the stellar universe where the development of organized and intelligent life exists, that our sun is in all probability the center of the whole material universe, and that the supreme end and purpose of this vast universe was the production and development on our earth, of the living soul in the perishable body of man, are the conclusions which Dr. Alfred Russel Wallace sets forth in an article in the current number of the 'Fortnightly Review'."

• From the International Herald Tribune, March 5, 1903

