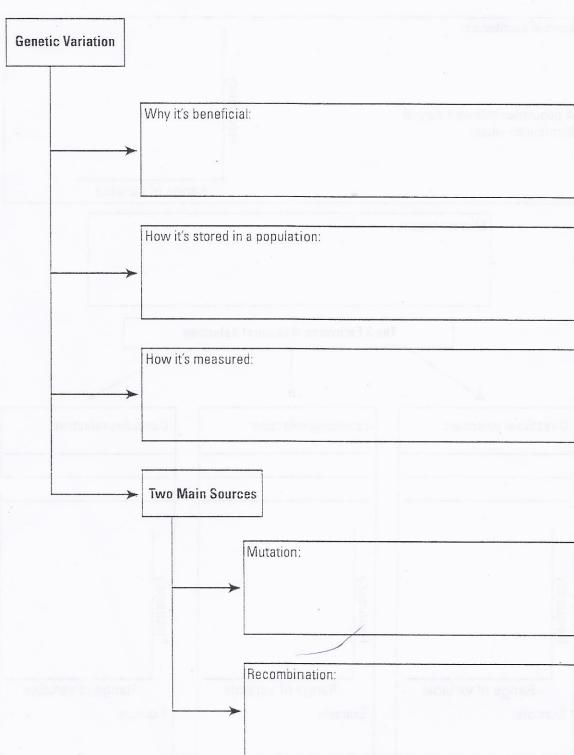
11.1 Power Notes



Period

Date

SECTION

NATURAL SELECTION IN POPULATIONS

11.2 Power Notes

Normal distribution:		Balletine V criseries
A population follows a normal distribution when:		Range of variable
Microevolution:		
	· Fire	
	The 3 Pathways of Natural	Selection
	\	
Directional selection:	Stabilizing selection:	Disruptive selection:
Frequency	Frequency	Frequency
Range of variable Example:	Range of variable Example:	Range of variable Example:

OTHER MECHANISMS OF EVOLUTION

11.3 Power Notes

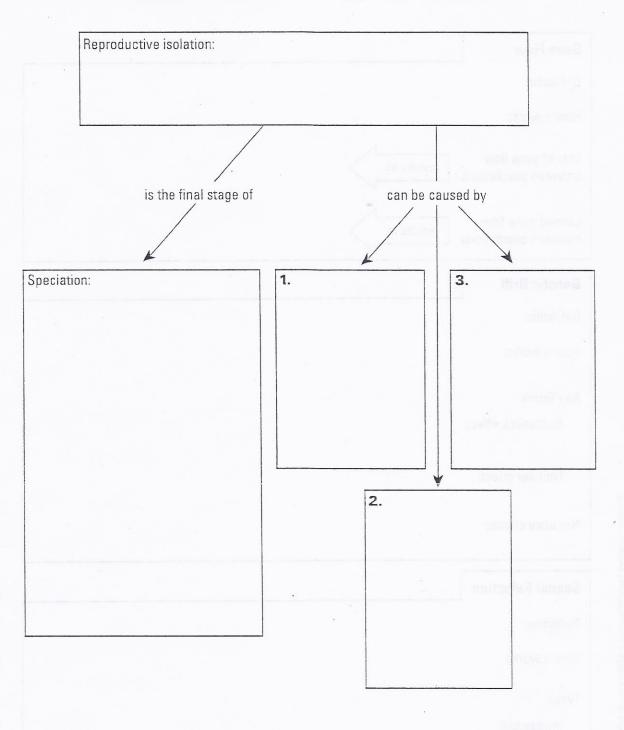
Gene Flow		modulasi avitoui	iorquii !
Definition:			
How it works:			
Lots of gene flow between populations	results in .		
Limited gene flow between populations	results in		
Genetic Drift			Speciation

deliette britt			
Definition:			
How it works:			
Key Terms			
Bottleneck effect:			
Founder effect:			*
Negative effects:			

Sexual Selection			
Definition:			
How it works:			
Types			
Intrasexual:			
Intersexual:			

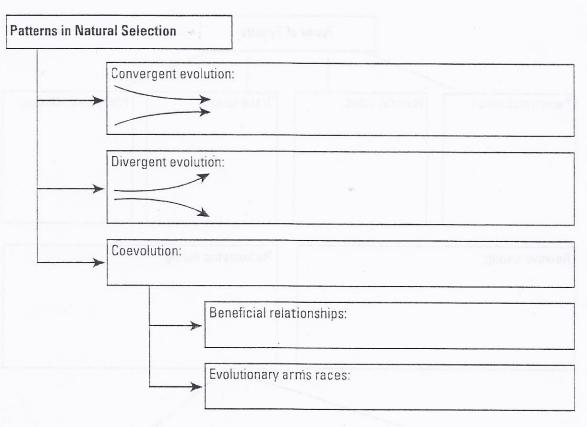
SPECIATION THROUGH ISOLATION

11.5 Power Notes



PATTERNS IN EVOLUTION

11.6 Power Notes



Extinction:

Patterns in Speciation

Punctuated equilibrium:

Adaptive radiation:

Mass extinction:

Name

Period

Date

SECTION

THE FOSSIL RECORD

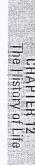
12.1 Power Notes

	Турез	of Fossils	
		populovin	
Permineralization:	Natural casts:	Trace fossils:	Preserved remains:
	·	anaminve **	76 3 86
elative dating:		Radiometric dating	d: ne rann
	aginess	mi v localeneit	
sotopes:	Pagens in Special	Half-life:	(подант):
Shade in the neutrons	s below.	100 Tobe remaining	
Carbon – 12 — Protons — Neutrons	Carbon – 14 — Protons — Neutrons	25 12.5 6.25 0	11,460 17,190 22,920 Time in years

ORIGIN OF LIFE

12.3 Power Notes

Main Idea: The Origin of Life	Detail Notes:		
I. Organic molecule hypotheses	 Miller-Urey experiment: Meteorite hypothesis: 		
II. Early cell structure hypotheses	1. Iron-sulfide bubbles hypothesis:		
	2. Lipid membrane hypothesis:		
III. RNA as early genetic material	1. Ribozymes:		



Name

Period

Date

SECTION

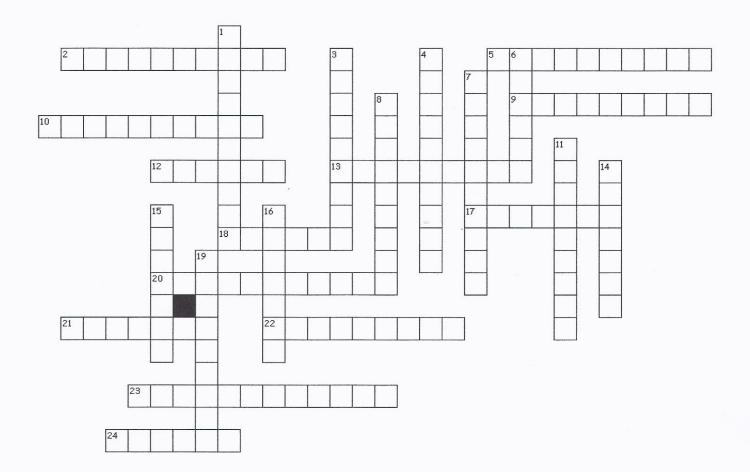
EARLY SINGLE-CELLED ORGANISMS

12.4 Power Notes

			1.1 to mign 0 and model state
	contracts contents of		L Digade molecule hysophes
		changed Earth by	
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Endosymbiosis.			and an or was the wife of
1.	2.		3.
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Evolution Crossword



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- 2. structures that are similar
- 5. a characteristic that helps an organism survive
- 9. when one species evolves into many; adaptive
- 10. pattern of evolution where a species is stable for a long time then rapidly changes; equilibrium
- 12. the name of Darwin's book; the of species
- 13. process by which evolution occurs; natural
- 17. had different shaped shells depending on the island they were from
- 18. well-supported testable explanation
- 20. when two species evolve together
- 21. natural selection is also known as the survival of the
- 22. islands that Darwin visited
- 23. principle that states that living species are descended from ancient ones; descent with
- 24. the name of the ship that darwin traveled on

Down

- 1. when two unrelated organisms look alike (sharks & dolphins)
- 3. refers to the variety of living things
- 4. when organisms disappear from the earth
- 6. proposed the theory of evolution by natural selection
- 7. formation of new species
- 8. change over time
- 11. required for new species to form
- 14. preserved remains of ancient organisms
- 15. had different shaped beaks depending on the island they we
- 16. the study of the earth
- 19. structures that have no current function