Speciation

at is speciation?	
process by which	
speciation is a result of, however	ver evolution does not alw
roductive Isolation	
populations are	(mo
common way that new species are formed)	,
occurs when	
— (i.e. rivers mo	
(i.e. rivers, mo	ountains, rodas, etc.)
	ountains, rodas, etc.)
	ountains, rodas, etc.)
there arebetween populations	
there are	
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Allopatric Speciation

•	speciation that occurs when	from one another
exa	<u>mple</u> :	
		., result in speciation
	Sympatric Speciation	
•	process of speciation in which a new species develops when members develop athat prevents them members of the	• •
exa	<u>mples</u> :	
	differences in result	t in speciation
	differences in	result in speciation
<u>Div</u>	ergent Evolution	
•	a number of different speciesancestor	a common
exo	Divergent evolution can produce in organisms.	-
•	scientific example: Darwin's finches	
Con	vergent Evolution	
•	as a result of evolution, species are produced (from different ances	tors) that are

exam	ple:
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 (Convergent evolution has produced many	
<u>-</u> 	organisms.	in

• <u>scientific example</u>: Dolphins (mammals) and sharks (fishes) have analogous structures due to the environmental selective forces, NOT due to a close evolutionary relationship.