



all of the different species on Earth



biogeography



Fossils of the fern *Glossopteris*. Fossil remains of the freshwater reptile *Mesosaurus*.



similar in two unrelated organisms

vestigial structure a structure that an organism has that is no longer useful to it, but that they have this structure because a common ancestor to that organism found it useful fitness ability of an organism to survive and reproduce in its environment adaptation inherited characteristic that increases an organism's chance of survival mimicry Eastern coral snake Scarlet king snake (venomous) (nonvenomous) the similarity of one species to another which protects one or both

camouflage



when an organism blends in with its environment for protection against predators



the evolution of two or more interdependent species, each adapting to changes in the other

	Phenotype
disruptive selection	(a) No selection (d) Disruptive selection
	form of natural selection that occurs when individuals at both ends of a distribution curve have higher fitness than individuals near the middle
reproductive isolation	ISPLATION
	the inability of a species to breed successfully with related species due to geographical, behavioral, physiological, or genetic barriers or differences
behavioral isolation	form of reproductive isolation in which two populations have differences in courtship rituals or other types of
	behavior that prevent them from interbreeding
geographic isolation	Fight
	form of reproductive isolation in which two populations are separated physically by geographic barriers such as rivers, mountains, or stretches of water
	BARRIERS THAT MAINTAIN REPRODUCTIVE ISOLATION

temporal isolation

form of reproductive isolation that occurs when members of two species occupy similar habitats, but breed at different times

