Main Idea	Detail Notes
I. Darwin observed	1. Variation is:
variation among island species. Tortoises	The difference in the physical traits of an individual from those of other individuals in the group to which it belongs.
10110303	2. Examples include: Tortoises:
Finches Plants	Example: Saddle-backed tortoises, which have long necks and legs, live in areas with a lot of tall plants.  Domed tortoises, with shorter necks and legs, live in wet areas with short plants.
Fossil Evidence	3. Finches:  Example: Finches with strong, thick beaks live in areas with a lot of large, hard-shelled nuts, while finches with more delicate beaks are found where insects or fruits are widely available.
Geologic Evidence	
II. Darwin realized species could adapt to their environment.	<ol> <li>An Adaptation is:</li> <li>A feature that allows an organism to better survive in its environment.</li> </ol>
	Beak size differences for different uses in different Finch species
III. Darwin observed fossil	1. Fossil evidence included:
and geologic evidence of an ancient Earth.	Glyptodon, a giant extinct armadillo that resembled living armadillos. Also fossil shells of marine organisms high up in the mountains, showing great changes that occurred in the past.
	2. Geologic evidence included:
	Land that had been underwater was moved above sea level due to an earthquake, demonstrating that daily geologic processes can add up to a great change over a long period of time.