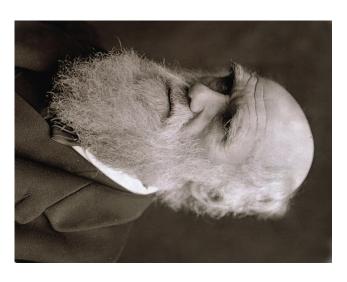
#### **KEY CONCEPT** Darwin's voyage provided insight on evolution.



- Darwin observed differences among island species.
- Variation is a difference in a physical trait.
- Galápagos tortoises that live in areas with tall plants have long necks and legs.
- Galápagos finches that live in areas with hard-shelled nuts have strong beaks







- An adaptations is a feature that allow an organism to better survive in its environment.
- Species are able to adapt to their environment
- Adaptations can lead to genetic change in a population.



- Darwin observed fossil and geologic evidence supporting an ancient Earth.
- Darwin found fossils of extinct animals that resemble modern animals
- Darwin found fossil shells high up in the Andes mountains.





- He saw land move from underwater to above sea level due to an earthquake.
- Darwin extended his observations to the evolution of organisms.



#### FIGURE 2.2 Adaptations Within Species

species can adapt to their environments. Galápagos tortoises (Geochelone elephantopus) are evidence that



Domed tortoises have a short neck and short legs, and live in areas with low vegetation.



Saddle-backed tortoises have a high shell edge, allowing them to stretch their long necks.

A Explain Why do these tortoises of the same species look different?

