a. Lamarck’s Theory

Early giraffes probably had short necks which they stretched to reach food.

Their offspring had longer necks which they stretched to reach food.

Eventually the continued stretching of the neck resulted in today’s giraffe.

Existing data do not support this theory.

b. Darwin’s Theory

Early giraffes probably had necks of various lengths.

Competition and natural selection led to survival of the longer-necked giraffes and their offspring.

Eventually only long-necked giraffes survived the competition.

Existing data support this theory.