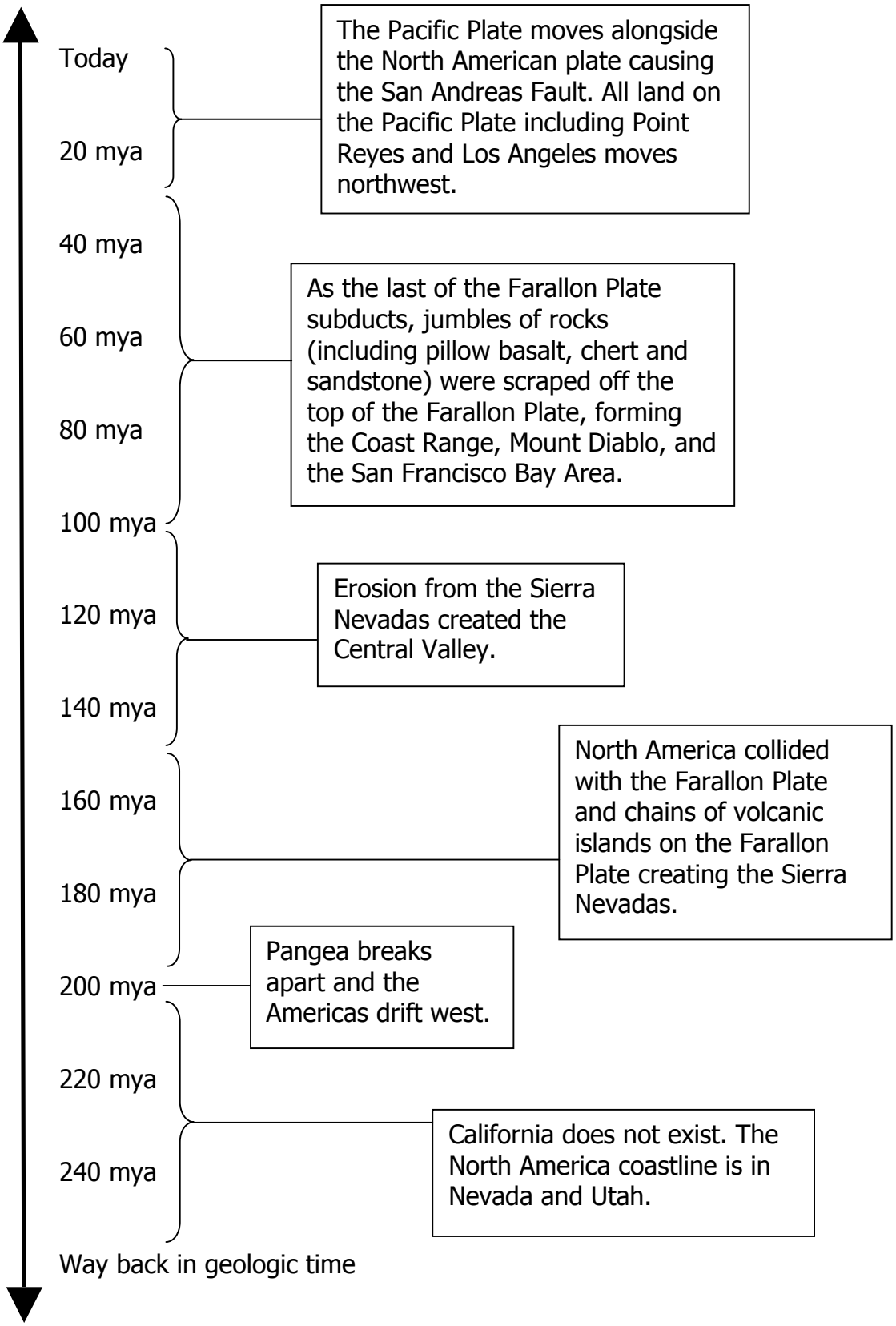
Today
20 mya
40 mya
60 mya
80 mya
100 mya
120 mya
140 mya
160 mya
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200 mya
220 mya
240 mya
Way back in geologic time
The Pacific Plate moves alongside the North American plate causing the San Andreas Fault. All land on the Pacific Plate including Point Reyes and Los Angeles moves northwest.
As the last of the Farallon Plate subducts, jumbles of rocks (including pillow basalt, chert and sandstone) were scraped off the top of the Farallon Plate, forming the Coast Range, Mount Diablo, and the San Francisco Bay Area.
Erosion from the Sierra Nevadas created the Central Valley.
North America collided with the Farallon Plate and chains of volcanic islands on the Farallon Plate creating the Sierra Nevadas.
Pangea breaks apart and the Americas drift west.
California does not exist. The North America coastline is in Nevada and Utah.