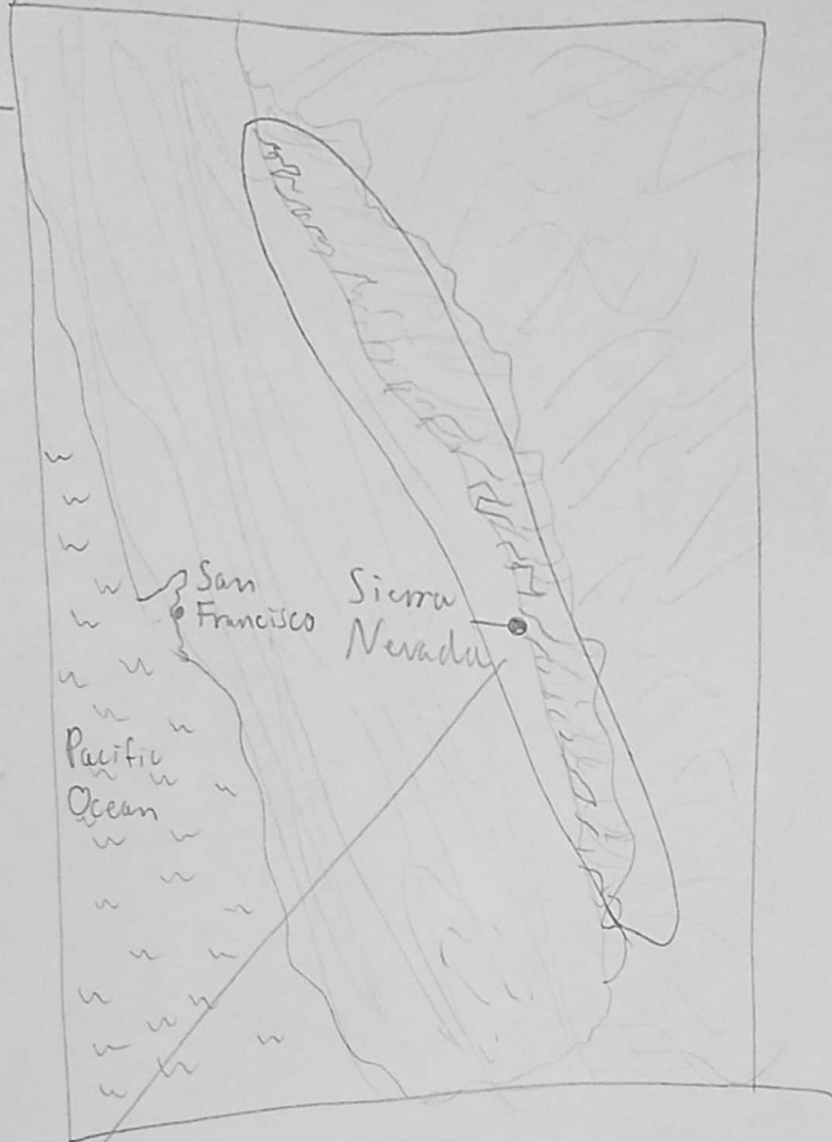


Topic: Nevadan orogeny: what and where it is, when it occurred, its tectonic setting, and how it is expressed in the rock records.

1. The below image displays one of the mountain ranges that resulted from the Nevadan orogeny, namely, the Sierra Nevada. The Nevadan orogeny is a mountain-building process that occurred during the Middle Jurassic to the Early Cretaceous.

2. The orogeny developed along the western margin of North America at the North American plate, which is considered to have moved westward over oceanic crust, causing deep-sea sedimentary rocks and rocks from an existing accretionary wedge to become accreted onto the continent.



3. The orogeny is expressed in the rock record by the resulting formations of the Sierra Nevada and the Klamath Mountains, whose stratigraphy is similar to each other.

Jacob Hreshchyshev