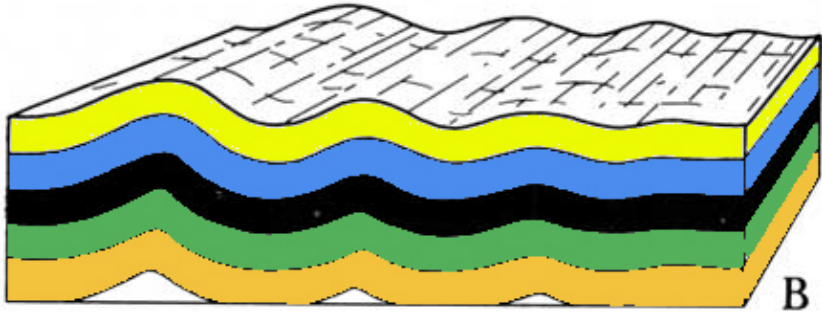
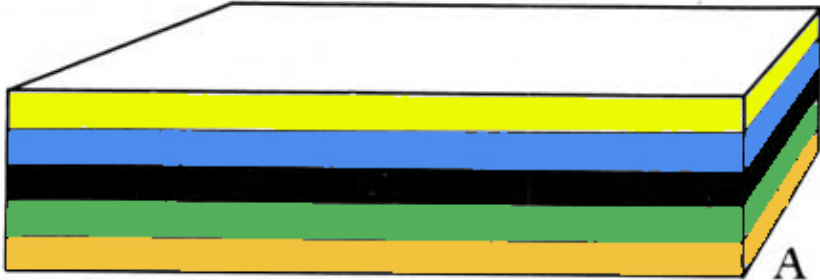
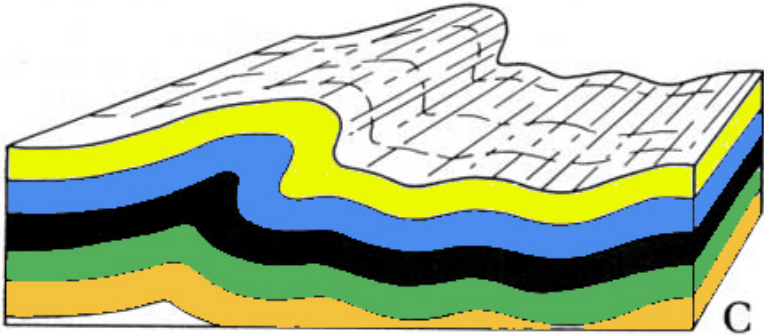




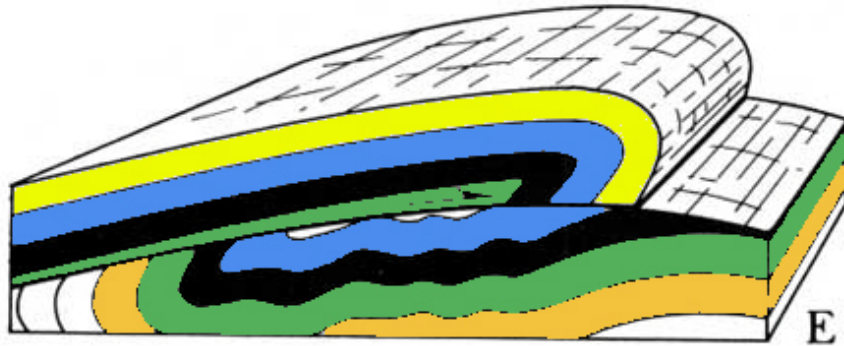
Development of an overthrust by compressive tectonic forces.



Compressive forces begin to develop bulges (anticlines) and sags (synclines).



The dominant anticline often overturns and ruptures, creating a thrust fault (D).



Continued thrusting along this fault produces a major overthrust, typically placing older strata above younger strata (green above blue in E). The primary overthrust in Glacier National Park is called the Lewis Overthrust. The Lewis thrust has long been considered the “classic” example of an overthrust. The fault overlies the Cretaceous age rocks of the disturbed belt; a narrow north- south trending strip of land to the east of Glacier National Park.



The rocks of Glacier National Park belong to the Belt Supergroup and were deposited between 1.4 to 1.5 billion years ago in a giant tectonic basin. In Canada they are referred to as the Purcell Supergroup. The basin continually subsided as sediments were deposited, resulting in a sedimentary sequence several miles thick. Sediments include mudstone, siltstone, sandstone, limestone. Sedimentary structures are beautifully preserved since there was no bioturbation from multicellular organisms.