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Salt of Gibraltar where warm, salty Mediterranean water spills across a sill, intrudes into the cooler, fresher
Atlantic water, and spreads west at a depth of 1200 meters. Sinking of salt from this warm core to the fresher
water below occurs by a convective process called salt fingering. The rain catchment on Gibraltar is a reminder
that water is separated from salt by solar energy but in the steady state must mix again as beneath the Medi-
terranean outflow. See page 941. [U.S. Navy]