



Figure 12.21. A summary of authigenic fluxes of the metals Mn, V, U, Re and Cd to three different ocean sediment areas: oxic, which occupies 96% of the total area below 1000 m; anoxic sediments, where oxygen penetrates less than 1 cm, which occupies 4% of the ocean deeper than 1000 m; and anoxic sediments overlain by anoxic or nearly anoxic water, which occupies only 0.3% of the ocean area. Authigenic fluxes are normalized to the dissolved flux from rivers, with positive values indicating a flux to the overlying seawater and negative values indicating accumulation of authigenic metals in sediments. From Morford and Emerson (1999).