



**Figure 5.6** Schematic diagram of the exchanges and stable carbon isotope ratios among the reservoirs of atmospheric  $\text{CO}_2$ , ocean  $\text{HCO}_3^-$  and  $\text{CO}_2$ , solid organic carbon ( $\text{CO}_M$ ) and  $\text{CaCO}_3$  and  $\text{CH}_4$ . Numbers under the chemical symbols represent the isotopic ratio in ‰. See Table 5.3 for an estimate of the fractionation factors.