



Figure 5.10. An idealized illustration of the differences between the $\delta^{18}\text{O}$ of condensate and vapor as a function of the fraction of the remaining water during the Rayleigh Distillation process. Envision a cloud that forms at 20 °C and remains a closed system except for water that rains out as it cools from 20 °C to -20 °C. The equilibrium fractionation factor is temperature dependent, 9‰ at 20 °C and 11‰ at 0 °C. Modified from Dansgaard (1965).