



Figure 10.11. A schematic diagram of steady-state gas supersaturation caused by bubble processes when there is no net flux at the air–water interface. The small symbols represent gas molecules in the air and dissolved in the water. The greater concentration of these symbols in the water on the left side of the diagram indicates that the dissolved gas is supersaturated in the water. The bubble-induced flux, F_B , into surface waters, illustrated on the right side of the diagram, is balanced by a diffusive flux across the air-water interface, F_{AWI} , indicated on the left side.