

親和性変化モデル(1992、能動輸送系; 1993、仮説)

Affinity change model (1992, active transporter; 1993, a hypothesis)

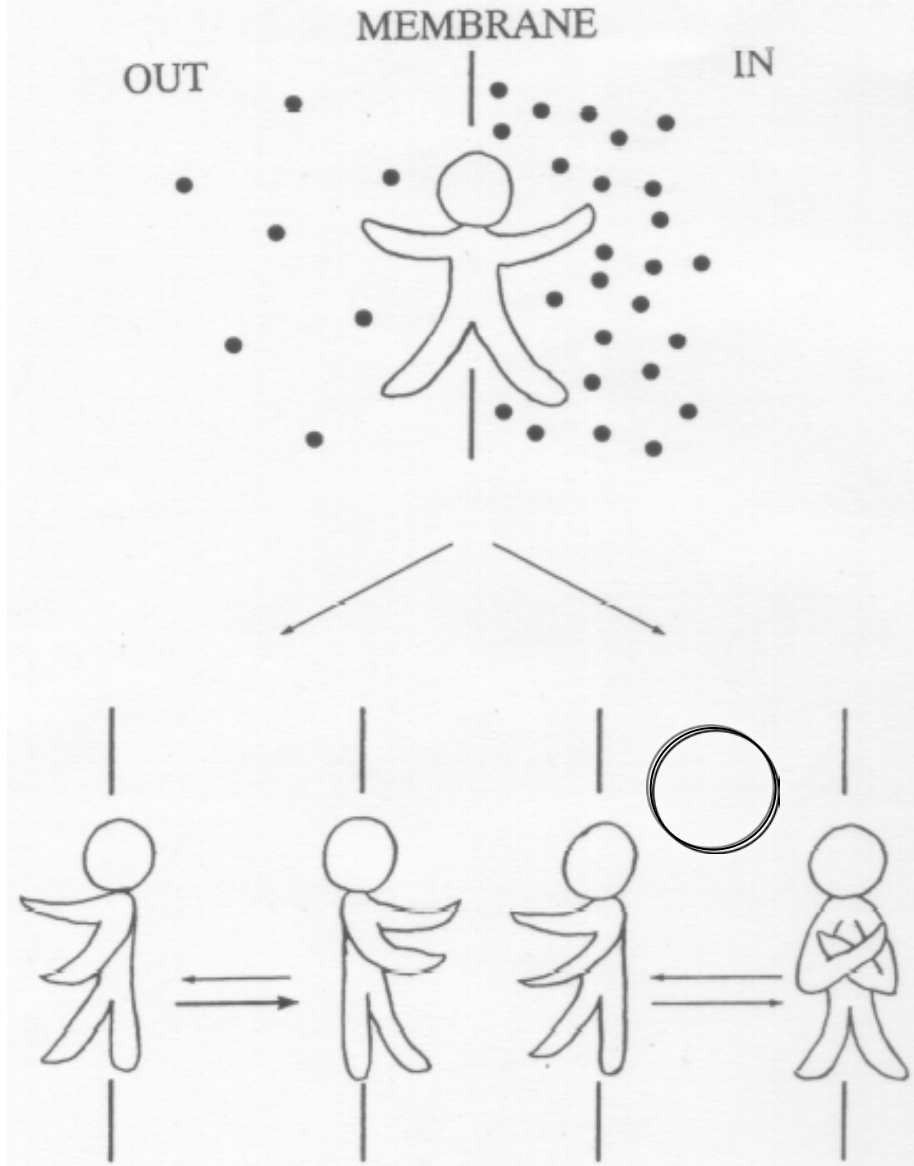
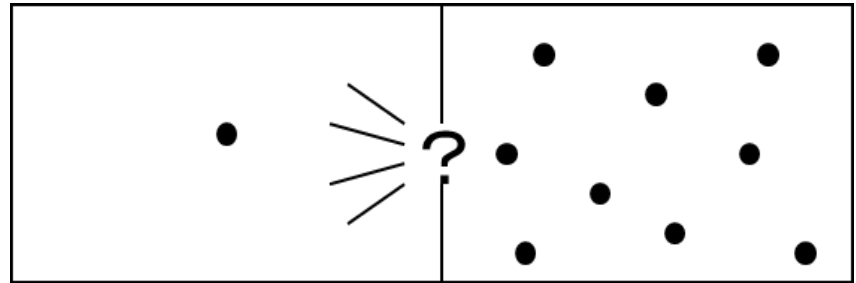


Fig. Two box system and a model of a secondary active transporter showing how the Maxwell's daemon (transporter) works. Left: Two box system having a hole with a Maxwell's daemon (marked with ?) controlling the in and out of gas molecules into the boxes. Right: Two representative models where a Maxwell's daemon working in an active transport system with energy input by facilitating in either way, changing the binding affinity for substrate as shown by open and closed arms (right case) or changing the speed of translocation of substrate as shown by the different thickness of the translocation arrows (left case).