Mechanisms of Active Transport

A) Primary Active Transport

a) Sodium-Potassium Pump

b) Calcium Pump

c) Hydrogen-Potassium Pump (proton pump)
III. Mechanisms of Active Transport (cont.)

B) Secondary Active Transport

Directions of transport

co-transport (symport) =

counter-transport or exchange (antiport) =

IV. Carrier-Mediated Transport Constraints

Specificity

Competition

Saturation