I. Carrier-mediated transport mechanisms

A. Involve protein carriers
   properties similar to enzymes

B. Facilitated diffusion

C. Active transport
   1.
   2.
   3.
   4. primary active transport
   5. \( \text{Na}^+/\text{K}^+ \) exchange pump
6. Secondary active transport

I. Nucleus
   A. Functions
      1. in cell division
      2. in cellular differentiation
      3. in controlling cytoplasmic events
      4. in control of metabolic reactions
   B. Nuclear Membrane
      1. double bilayer
      2. nuclear pore complexes
      3. outer membrane
   C. Nucleolus
      1.
      2.
      3.