

PINOCYTOSIS: Incorporation of liquid substances into the cell by plasma membrane is called pinocytosis. It was firstly described by Lewis (1931). First particle become adsorbed at the surface of the membrane infolding of which occurs with the formation of vesicle so that the particle is released into the cytoplasm.

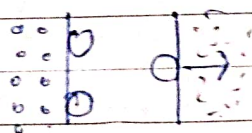


Fig: Pinocytosis.

ACTIVE TRANSPORT:

STEIN (1960) defined it as the movement of molecules or ions in a direction opposite to that of molecular or ions in a direction of a prevailing electrochemical gradient. During this process transport and some chemical components of the membrane form a complex which is then transferred across the membrane and the transport is released in the cytoplasm.

For all this energy needed is derived from the high energy phosphate bond (ATP).



ACTIVE

Active transport -

