

b). Model of repeated particles →  
Reported by Green 1970.

↓  
made by particles

↓  
connected one to another

two types

(i) Mono-partite membrane →

↓  
No any projections found in  
this type of particles

eg - outer membrane of mitochondria

(ii) Multi-partite membrane →  
Head & stalk found in this  
partite.

eg - inner membrane  
of mitochondria

## ① Transport of substance

Entry of material in cell or ~~exit~~ excretion of material from cell  
Both functions done by Plasma-membrane

### (a) Passive transport

material from high concentration to low concentration.

↓ membrane  
cell not use its energy

### (b) Active transport

from low to high concentration.  
cell membrane needs energy

② Endocytosis → Big particles enter in cell by vesicles.  
two types

① phagocytosis — solid particles

② Pinocytosis — liquid substances

③ need to surround protoplasm.

④ Separate the protoplasm from adjacent cells.

5 cell shape given

↓  
plasmamembrano

6 ~~cell~~ security of cell.

cell wall