

# Modification of P. Memb / cell Memb -

1) Microvilli - Finger like evagination (outgrowth) on the free surface of cell engaged in absorption - such surfaces are also known as brush-bordered.

Ex - Intestinal cell, urinary ferns Tubules etc.

## Mesosome -

Infolding of Plasma Memb in Bacteria

2) Lomasome - Infolding of P. Memb in Fungal cells below the wall.

3) Endocytic vesicle - P.M infold to form Pinosomes & Phagosomes.

4) Intercellular Bridge - (Zonulae occludentes) are minute projection that arises from adjacent cell memb & make contact with each other. They allow rapid electrical conduction in cell / or stimuli.

5) Gap Junction - Protoplasmic connection b/w adjacent cell through special protein cylinder called Connexons.

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## Tight Junction (zonulae occludentes) -

Here P.M of two adjacent cell are fused at several points with the help of sealing strands. Help in filtration through cell. e.g. - capillaries, Tubules of kidney.

## Desmosomes - (macula adherens) -

Here circular patches of cell memb are held together by interaction of proteins that extend from each memb into the space between cells. They function as spot welds.

e.g. occurs b/w epithelial cell subjected to disruption

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