Mojor functions of membrane for connecting cells 1. Centen 10:09 5. intrallular 1. transport to the cyto skull 2. Enzyme activity. 6. Attachment 3. Signal transduction qui are specific - have specific jobs are multigene families = can be change by ) 2 ail are integral membrane proteins nucleare Clybold and Pumps transport protica Carries 10° porticles/sec in annuls : 10 particles / sec--fastest (10 6 10) host motion of charel (maybe a shart pulse) -most marenent obvious binding + movement 1 can mo require energ move down concentration Purticles against gradient gradient ( high to low) (100 to high Must move things from hight low concentration so no active ansport enigy is required (dithe passive transpo a guoporin - channel for wat can get across bilayer proteins in a grouping aqueorous parc C.r.cat o Mumbrica Primary ATP-DADP through Rumps get their thergy by converting hydrolysis sciondary pumps - uses enery from molecules that goes from (enigy is er gradient is created by high to Low Primary pump)to pump diff. Molecule from low to diffusion - movies solure (purticle) - moves lac solutit O)mosis.

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