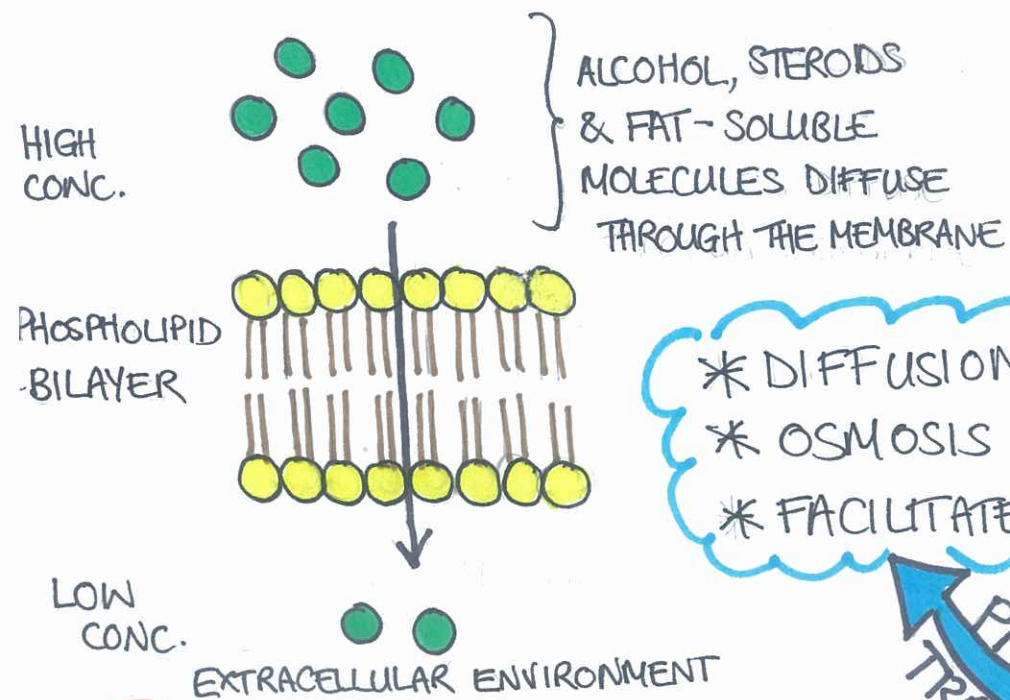
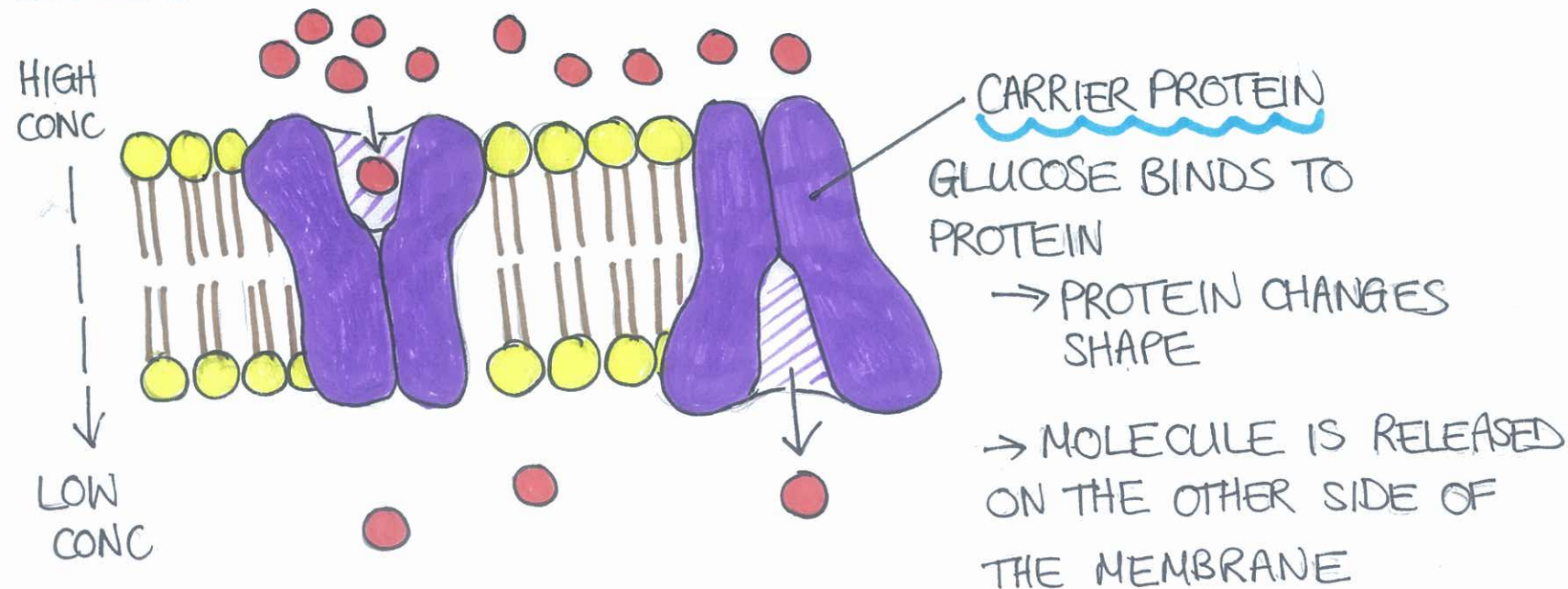
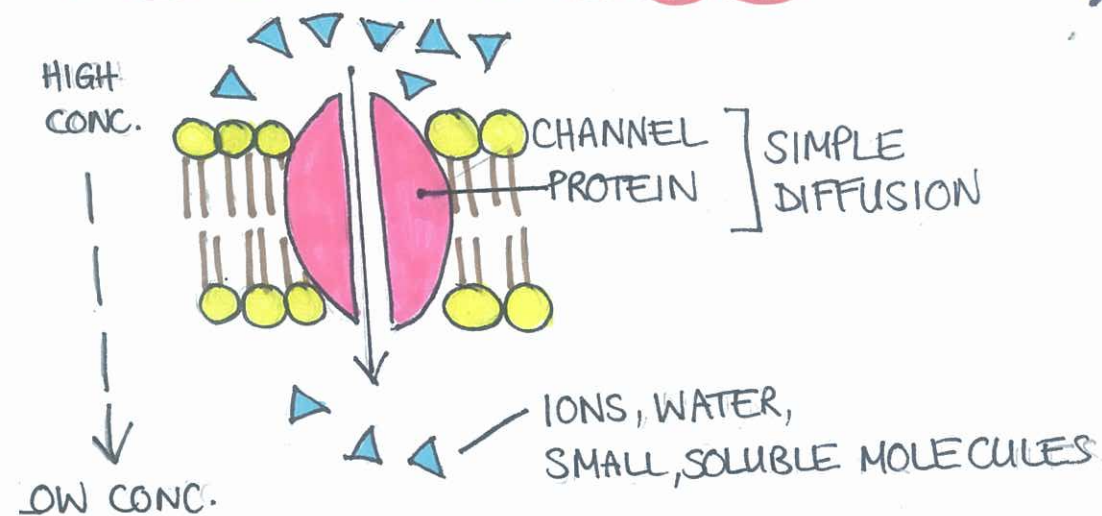


EXTRACELLULAR ENVIRONMENT



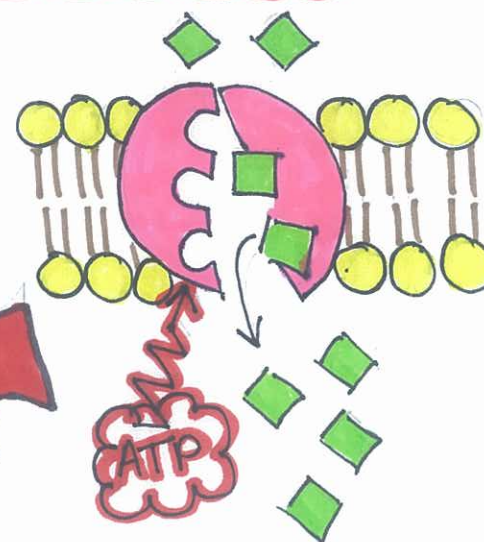
- * DIFFUSION
- * OSMOSIS
- * FACILITATED DIFFUSION

NO ENERGY REQUIRED



- GLUCOSE BINDS TO PROTEIN
- PROTEIN CHANGES SHAPE
- MOLECULE IS RELEASED ON THE OTHER SIDE OF THE MEMBRANE

*ENERGY IS REQUIRED TO MOVE MOLECULES AGAINST THE CONCENTRATION GRADIENT (LOW → HIGH) e.g. K^+ , Na^+ IONS



- * THIS IS AN EXAMPLE OF CARRIER-MEDIATED TRANSPORT
- ONLY SPECIFIC MOLECULES BIND TO SPECIFIC MOLECULES

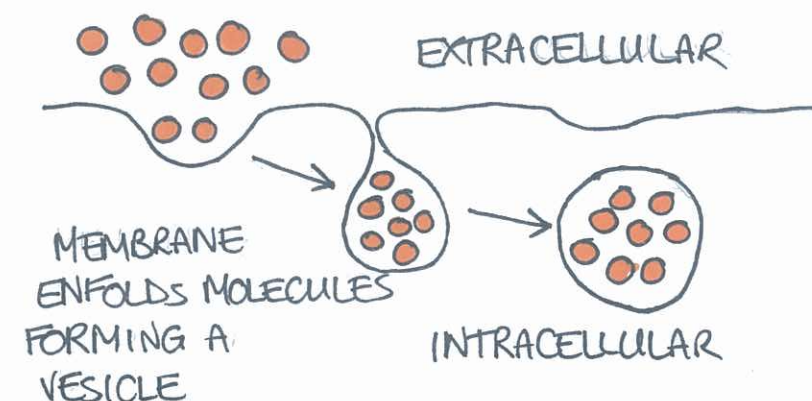
PASSIVE TRANSPORT

ACTIVE TRANSPORT

TRANSPORT ACROSS THE CELL MEMBRANE

VESICULAR TRANSPORT

ENDOCYTOSIS → MOVES SUBSTANCES INTO CELLS USING VESICLES



EXOCYTOSIS → MOVES SUBSTANCES OUT OF THE CELL USING VESICLES

