

# The Cell in its Environment

ENVIRONMENT

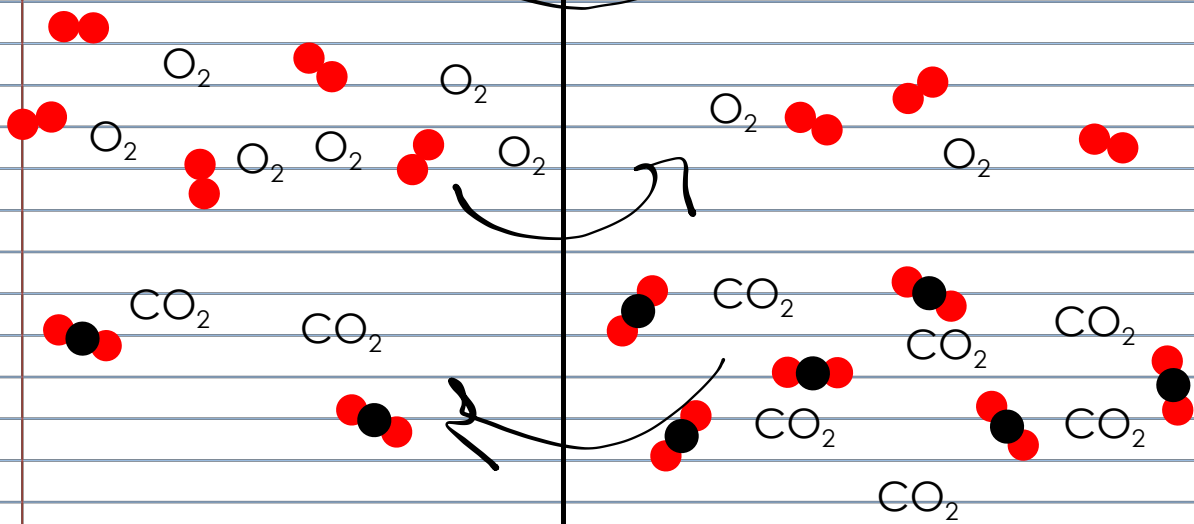
CELL

DIFFUSION =

movement across a membrane

HIGH

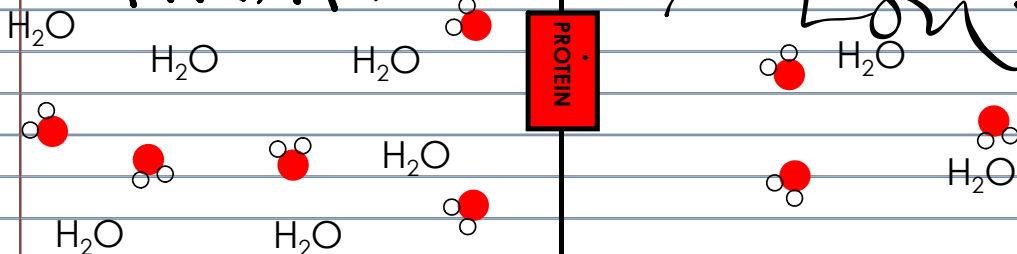
LOW



OSMOSIS = diffusion of water

HIGH

LOW



(Inside the cell)

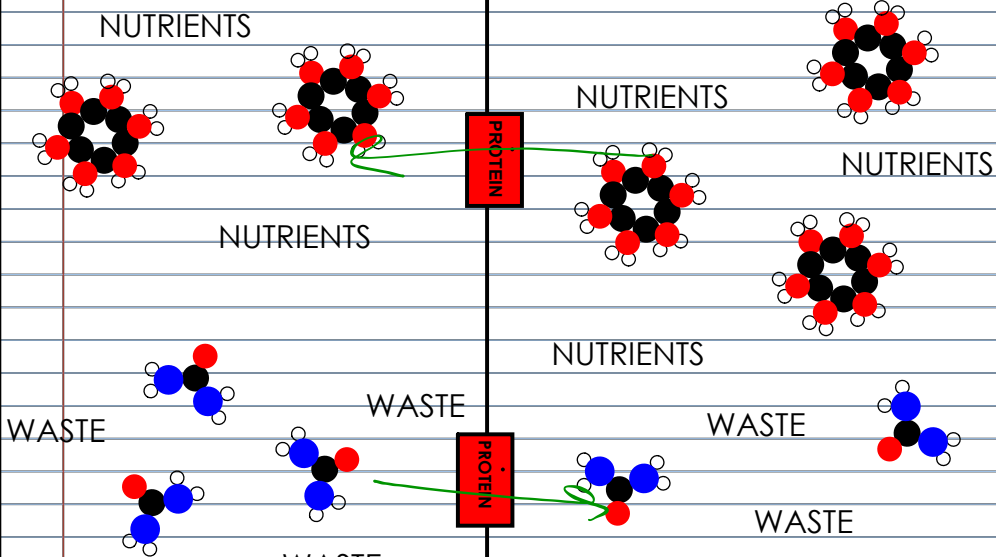
CELL

ENVIRONMENT

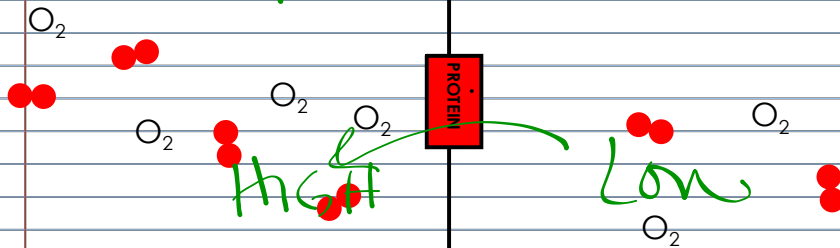
cell membrane

PASSIVE TRANSPORT = No energy required

High → Low



When energy is used = ACTIVE TRANSPORT



moving AGAINST diffusion requires ENERGY