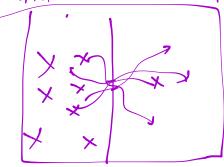
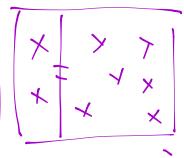
## LECTURE #17, CHEMICAL GRADIENTS

WHAT ARE CHEMICAL GRADIENTS.



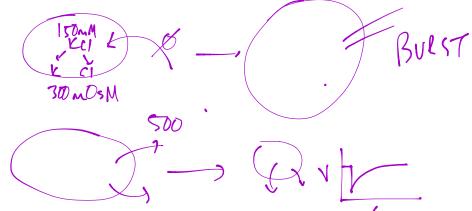


CHEMICAL POTENTIAL

$$\Delta n_{\text{GRAD}} = RTIn(C_2/C_1)$$

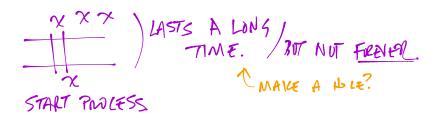
$$C = \frac{nol}{L} \qquad Macgyner cup.$$

WATER HAS A CONCENTRATION!



HOW ARE THEY:

- CREATED.
- MAINTAIL



## -SELECTIVITY - (WHAT GOES THEOUGH) - (WHEN IT GOES THEOUGH)

SHOW A QUAPPEN. DISCUSS SELECTIVITY FILTER.

FACILITATED THEFUSION

GET THINKS A COSSS THAT ARE SLOD.

4 FENZYME(ICH)

SHOW SWOOLES.

HOW ARE THEY BUILT?

ENERGY EXPENDITURE.

SHOW ICHNOT RANS PORT.