CONCEPT: DIALYSIS

4) Dialysis

●After salting out, it's likely that the solution with your target protein contains a _____ [salt].

□ Many proteins can _____ their activity in the presence of a high enough [salt].

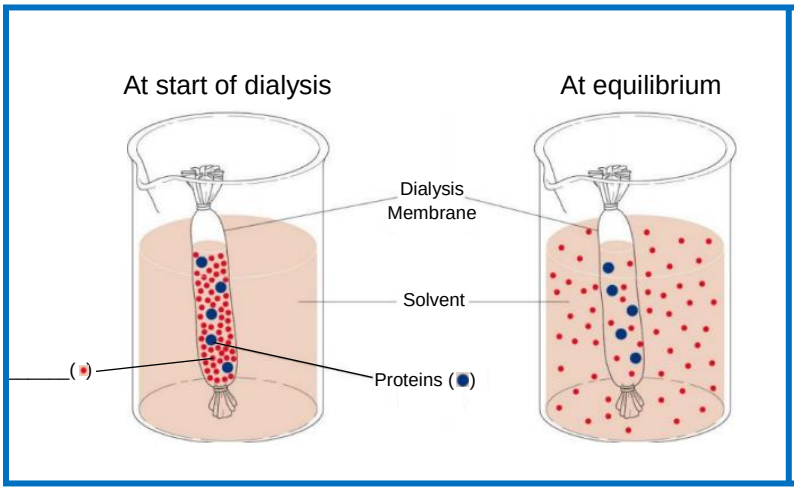
●_____: removes salt & other small molecules via diffusion through a porous _____-permeable membrane.

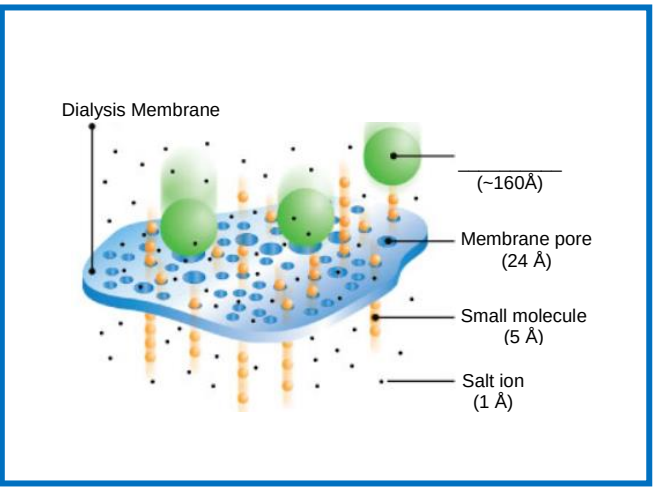
□ Protein-salt solution is sealed into a dialysis bag & placed in a _____ salt solution.

●_____ are large & retained in the bag (do not fit through pores).

□ Salts & small molecules diffuse out of the bag through the pores.

EXAMPLE: Dialysis.





PRACTICE: Dialysis is a technique used to:

a) Remove salts from a protein solution.
b) Add salts to a protein solution.
c) Purify proteins from cell organelles.
d) Remove unwanted proteins.

PRACTICE: Which of the following is a procedure using membrane bags to separate molecules based on molecular size?

a) Salting out.
b) Gel electrophoresis.
c) Dialysis.
d) Gel filtration.