Tonicity and Osmosis Worksheet Biology 101 Mary Severinghaus 10 Extra Credit Points

Name:	
Section:	
Date Due:	-

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Using the key below and the information given, answer the questions.

solute particle • cell membrane
cell membrane
cell wall =====
in all solutions, the solvent is H_20
in all solutions, the solvent is H₂O

Part I. Fill in	the blanks:
Α	is a fluid in which a substance is dissolved.
Α	is a substance dissolved in a solvent.
Α	is a combination of solute and solvent.
The process	by which H₂0 diffuses across a membrane is called

_____. **Solution A** has a lower concentration of

_							
Part II.	Look at the	solutions	illustrated	below	and fill	in the	blanks

concentration of water in the same two solutions ___

1. Solution B is	to solution A . This is because solution B has a greater
concentration of	in it than does solution A . Solution C has no solutes dissolved in it, therefore it
is	_ to both Solutions A and B .
2. As the relative	concentration of solutes in two solutions increases, of necessity the relative

______ than does Solution C; Solution A is also hypertonic to Solution C.