Challenge Problem Set 1 CH102 Summer 1 2013	Copyright © 2013 Dan Dill dan@bu.edu
Challenge 1: Vapor pressure	
The vapor pressure of water at 32 of water is sealed in a container filled water comes to equilibrium with the total pressure is 1.00 bar, there is 50 glass, and the volume of the contair and liquid water is 1.00 L.	with air at 32 °C. After the e air in the container, the 00. g of liquid water in the
Then 35.0 g of ethylene glycol if diss	olved in the water.
Calculate change in the mass of the returned to equilibrium.	liquid water after it has
Answer: The mass of liquid water w	ill increase by 0.00673 g
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