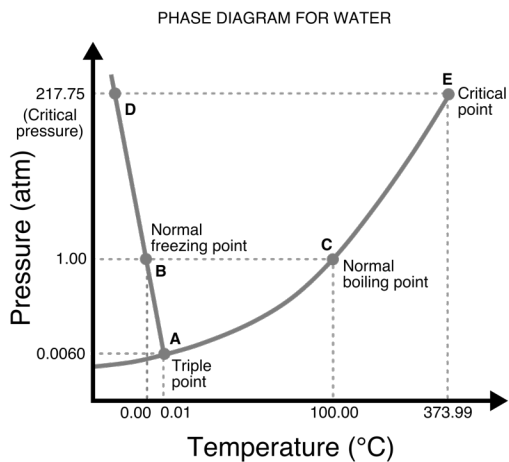
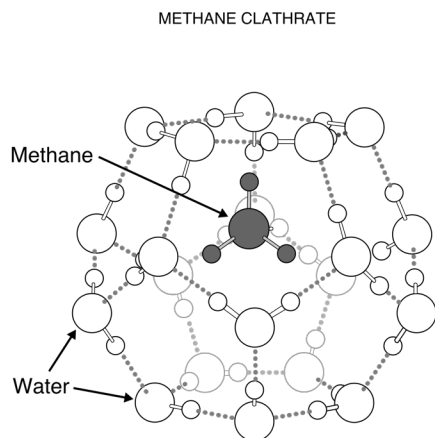


Name: _____

Consider methane clathrates (pictured below). The incorporation of methane in ice results in thermodynamically favorable clathrate formation.



Given the phase diagram of water above, predict how the line A–D (that represents the equilibrium between the solid and liquid states of water) would shift. Explain your answer.