

Psychrometrics

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The gas-vapor combination at which we'll look is _____ and _____.

In water-air mixtures, the water might _____. (Water is the vapor in our gas-vapor mixture.)

Both the air and the water behave as if they existed at _____ and _____. They obey _____'s model.

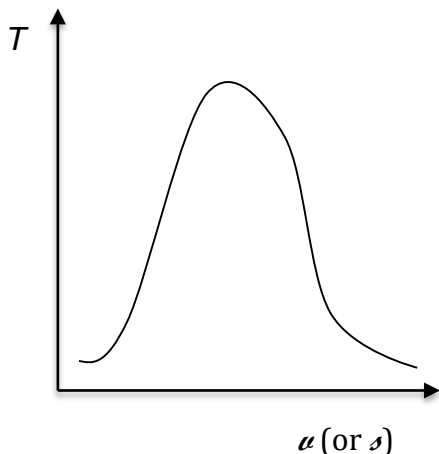


$$P_v =$$

(HIS OTHER MODEL.)



Sketch a line of constant P_v on the T - v diagram below for the water. Then cool it at constant pressure. What happens eventually?



Relative humidity:

Humidity ratio:

Mixture enthalpy:

Mixture specific volume: