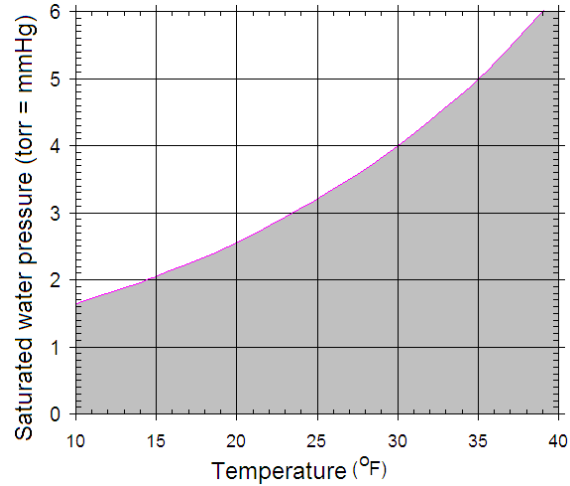


Physics I

Dew Point

Problem 1.- The weather forecast indicated a temperature of $T=39\text{ }^{\circ}\text{F}$ and a dew point of $29\text{ }^{\circ}\text{F}$. Estimate the partial pressure of water in the atmosphere at those conditions.



Solution: If the dew point indicates $29\text{ }^{\circ}\text{F}$, it means that the partial pressure of water is equal to the saturated water pressure at that temperature.

We can read the value off the scale, it is: **3.8 torr**

