

Show all work for full credit.

20 pts total

Name: _____

Use a Psychometric Chart to answer the following questions.

1. A space at sea level is 75°F and RH = 50%

Find the other properties of the air in that space.

DB	75°F
RH	50%
WB	°F
Humidity	Gr/lb
VP	In Hg
Enthalpy	Btu/lb
Vs	ft ³ /lb
Dew Point	°F

2. A space at sea level has a WB = 65°F and a RH = 45%

Find the other properties of the air in that space.

DB	°F
RH	45%
WB	65°F
Humidity	Gr/lb
VP	In Hg
Enthalpy	Btu/lb
Vs	ft ³ /lb
Dew Point	°F

Continued on back

3. A space at sea level is 25°F and RH = 30%

Find the other properties of the air in that space.

DB	25°F
RH	30%
WB	°F
Humidity	Gr/lb
VP	In Hg
Enthalpy	Btu/lb
Vs	ft ³ /lb
Dew Point	°F

4. Relative humidity is _____% at the saturation line.

5. Enthalpy is the sum of latent heat and _____ heat.