LAB 5

1. Vapor pressure , Saturation vapor pressure , Relative humidity , Dewpoint, Wet-bulb temperature
2. (1) Pressure [ Isobars ], ( 2) Temperature [ Isotherms ] , (3) Dry Adiabatic Lapse Rate , (4) Saturation (Moist) Adiabatic Lapse Rate , and (5) Saturation Mixing Ratios.
3. No heat transferred to or from the system.
4. 10 C
5. It is due to latent heat.

6b. 0.9 g/kg

6c. 2g/kg

6d. r/rs = 0.9/2 = 45%

7b. 10g/kg

7c. 28 g/kg

7d. 10/28 = r/rs= 35.7%

8b. 1.6 g/kg

8c. 5.1 g/kg

8d. r/rs = 31.4%

Graph for 6a, 7a, 8a

