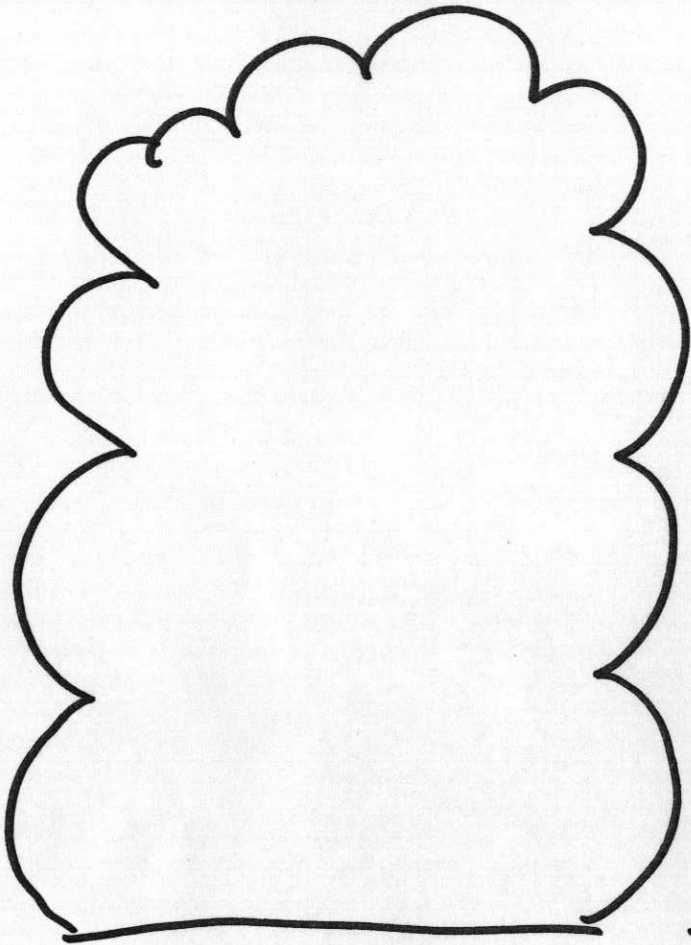


Condensation, Evaporation, & Relative Humidity



In the cloud:

$$T = T_d$$

$$RH = 100\%$$

evaporation = condensation

- If T continues to fall, $RH > 100\%$ for a short time, but then condensation > evaporation:

- droplets grow
- excess water vapor gets used up
- RH falls back to 100%

- LCL

$$T = T_d$$

$$RH = 100\%$$

Below the cloud:

$$T > T_d$$

$$RH < 100\%$$

evaporation > condensation

- raindrops start evaporating

