 A sealed glass container of air contains an unknown quantity of water vapor but no visible moisture or condensation. The container is cooled 20 degrees less than its original temperature. There is still no visible moisture or condensation. Therefore: (circle all that apply) A. The dew point has increased. B. The dew point has decreased. C. The dew point has not changed. D. The relative humidity has increased. E. The relative humidity has decreased. F. The relative humidity has not changed. G. The mixing ratio has increased. H. The mixing ratio has decreased. I. The mixing ratio has not changed. 2. Your classroom is 15 meters long, 5 meters wide, and 3 meters tall. If the 	Mame:
total water is contained in the classroom air? Show your work. 3. The temperature of this classroom was raised from its normal 73F to 80F. same air as before the temperature shift.	The air inside this classroom is still the
Therefore: (circle all that apply)	
 A. The dew point has increased. B. The dew point has decreased. C. The dew point has not changed. D. The relative humidity has increased. E. The relative humidity has decreased. F. The relative humidity has not changed. G. The mixing ratio has increased. H. The mixing ratio has decreased. I. The mixing ratio has not changed. 	
4. The mixing ratio today is 10 g/kg.	
A. How much water would be in 2 kg of air? B. About how cold would it need to get tonight to produce dew? 5. If the mixing ratio is 7.64 g/kg and the temperature is 75°F, what is the relative section.	

6. The dew point today is	45°F. Tonight, the air cools	to 41°F.		
Will dew form tonight? Ye	s No		maletrana	
When the air temperature	reaches 41°F, what will the	e dew point be?	melstrong∂/org 	
When the air temperature	reaches 41°F, what will the	e relative humidity be?		
reasonably assume that aft A. The relative hur B. The relative hur C. The relative hur	ter the sun goes down tonig	ght:	ange in the next 48 hours. Therefore, we can	
	ving from the Northwest for nat will probably happen to	, -	Tonight it changes direction and starts y?	
	ading, what are some of the		uld have students do regarding evaporation?	
Clouds:				
1	_ 2	3	4	
5	_ 6	7	8	
9	_ 10	11	12	