AME:	QUIZ SECTION:
	ospheric Sciences 101 Winter 2015 rk #3 (Due Thursday, February 5, 2015)
1. Humidity [2] List what happens to the follomoisture is added to the air.	owing moisture quantities if the temperature increases and no [0.25 pts each]
Saturation vapor pressure:	
Dew point temperature:	
Vapor pressure:	
Relative humidity:	
List what happens to the folloand the temperature does not	owing moisture quantities if water vapor is added to the air t change. [0.25 pts each]
Saturation vapor pressure:	
Dew point temperature:	
Vapor pressure:	
Relative humidity:	
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	type of fog (mixing fog, radiation/valley fog, and advection rocess that resulted in the fog. [3]
A. On a <i>spring day</i> along the contact that lasts through much of the	coast of southern Oregon there is steady westerly winds and fog the day. [1]
D. Dowing the Control of the Control	
•	e, several days of rain are followed by <i>clear skies, colder</i> I a fog that occurs during the night and part of the morning. [1]

C. Early in the fall, after the first very cold night, wisps of fog are seen rising off the surface of Lake Washington. [1]		
For the followmain temperature	erature Controls [4] wing pairs of locations, <u>circle the location</u> that best fits the description, and <u>list the ature control</u> in the comparison. You may have to look up locations to check the ation and proximity to bodies of water (ignore small differences).	
A. Which	locations would generally have a cooler/colder summer?	
i.	Pikes Peak, Colorado or Kansas City, Missouri	
ii. iii.	San Francisco, California or Richmond, Virginia Bergen, Norway or the point at (62°N 45°W)	
B. Which	locations would you expect to have the largest annual temperature variation? El Paso, Texas or Billings, Montana	
ii.	Portland, Oregon or Minneapolis, Minnesota	