

Name \_\_\_\_\_  
 Period \_\_\_\_\_

## Dew Point and Relative Humidity Activity #1

**Fill in the following charts then answer the questions**

	Dry bulb	Wet bulb	Difference Between Wet & Dry	Dew point	Relative Humidity	
1	10	1				
2	10	2				
3	10	3				
4	10	4				
5	10	5				
6	10	6				
7	10	7				
8	10	8				
9	10	9				
10	10	10				

- As the wet bulb increases (dry bulb stays the same) the dew point
  - increases
  - decreases
  - remains the same
- As the wet bulb increases (dry bulb stays the same) the relative humidity
  - increases
  - decreases
  - remains the same

Dry bulb	Wet bulb	Difference Between Wet & Dry	Dew point	Relative Humidity	
12	12				
14	12				
16	12				
18	12				
20	12				

- As the dry bulb increases (wet bulb stays the same) the dew point
  - increases
  - decreases
  - remains the same
- As the dry bulb increases (wet bulb stays the same) the relative humidity
  - increases
  - decreases
  - remains the same

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## Dewpoint and Relative Humidity Activity #2

Fill in the following charts then answer the questions

	Dry bulb	Wet bulb	Difference Between Wet & Dry	Dew point	Relative Humidity	
1	14		4			
2		10	6			
3	12		3			
4	8			1		
5	20			-2		
6	24			18		
7	28				71%	
8	16				71%	
9	4				70%	
10	-8				71%	

To do problems 1,2,3 you know that the **Dry bulb - wet bulb = difference**  
 or **Dry bulb = wet bulb + difference**

To do problems 4,5,6 Use the **Dew Point Chart** then you find the dry bulb in the left column. Look to the right in the same row until you see the dew point. Now look up to the top of the chart to get the difference.

You now have the dry bulb and the difference and you can get the rest.

**Dry bulb - wet bulb = difference**  
 or **Dry bulb = wet bulb + difference**

To do problems 7,8,9,10 Use the **Relative Humidity Chart** then you find the dry bulb in the left column. Look to the right in the same row until you see the Relative Humidity. Now look up to the top of the chart to get the difference.

You now have the dry bulb and the difference and you can get the rest.

**Dry bulb - wet bulb = difference**  
 or **Dry bulb = wet bulb + difference**

**Look at problems 7,8,9,10 and answer the following.** If the relative humidity is the same does that mean the dew point is the same? \_\_\_\_\_

Why is the relative humidity the same? \_\_\_\_\_

\_\_\_\_\_