

what is relative humidity?



Relative humidity (%)

results data

calculate humidity

Dry-bulb temp (°C)	Difference between wet- and dry-bulb temperature (°C)																			
	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°
-10	67	35																		
-9	69	39	9																	
-8	71	43	15																	
-7	73	48	20																	
-6	74	49	25																	
-5	76	52	29	7																
-4	77	55	33	12																
-3	78	57	37	17																
-2	79	60	40	22																
-1	81	62	43	26	8															
0	81	64	46	29	13															
1	83	66	49	33	17															
2	84	68	52	37	22	7														
3	84	70	55	40	26	12														
4	85	71	57	43	29	16														
5	86	72	58	45	33	20	7													
6	86	73	60	48	35	24	11													
7	87	74	62	50	38	26	15													
8	87	75	63	51	40	29	19	8												
9	88	76	64	53	42	32	22	12												
10	88	77	66	55	44	34	24	15	6											
11	89	78	67	56	46	36	27	18	9											
12	89	78	68	58	48	39	29	21	12											
13	89	79	69	59	50	41	32	23	15	7										
14	90	79	70	60	51	42	34	25	18	10										
15	90	80	71	61	53	44	36	27	20	13	6									
16	90	81	72	63	54	46	38	30	23	15	8									
17	90	81	72	64	55	47	40	32	25	18	11									
18	91	82	73	65	57	49	41	34	27	20	14	7								
19	91	82	74	65	58	50	43	36	29	22	16	10								
20	91	83	74	66	59	51	44	37	31	24	18	12	6							
21	91	83	75	67	60	53	46	39	32	26	20	14	9							
22	92	83	76	68	61	54	47	40	34	28	22	17	11	6						
23	92	84	77	69	62	55	48	42	36	30	24	19	13	8						
24	92	84	77	69	62	56	49	43	37	31	26	20	15	10	5					
25	92	84	77	70	63	57	50	44	39	33	28	22	17	12	8					
26	92	85	78	71	64	58	51	45	40	34	29	24	19	14	10	5				
27	92	85	78	71	65	58	52	47	41	36	31	26	21	16	12	7				
28	93	85	78	72	65	59	53	48	42	37	32	27	22	18	13	9	5			
29	93	86	79	72	66	60	54	49	43	38	33	28	24	19	15	11	7			
30	93	86	79	73	67	61	55	50	44	39	35	30	25	21	17	13	9	5		
31	93	86	80	73	67	61	56	51	45	40	36	31	27	22	18	14	11	7		
32	93	86	80	74	68	62	57	51	46	41	37	32	28	24	20	16	12	9	5	
33	93	87	80	74	68	63	57	52	47	42	38	33	29	25	21	17	14	10	7	
34	93	87	81	75	69	63	58	53	48	43	39	35	30	28	23	19	15	12	8	5
35	93	87	81	75	69	64	59	54	49	44	40	36	32	28	24	20	17	13	10	7

team _____
 dry temp _____
 wet temp _____
 difference _____
 in temp _____
 relative humidity _____ %

- step 1
- step 2
- step 3

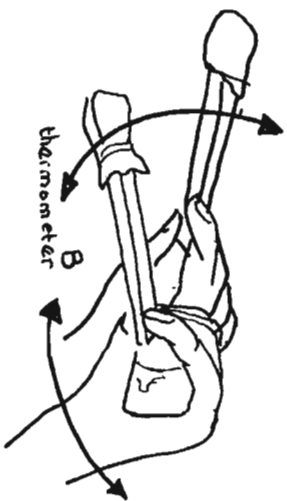
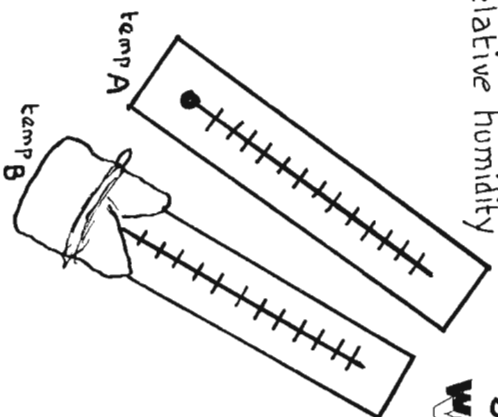
team _____
 dry temp _____
 wet temp _____
 difference _____
 in temp _____
 relative humidity _____ %

- step 4
- step 5

procedure

explain how to find the relative humidity

investigation 6



dry temp _____ # °C
 wet temp _____ # °C
 difference _____ #
 in temp _____

Temp A	Temp B	difference	in temp
1	2	3	5
2	3	4	6
3	4	5	7
4	5	6	8
5	6	7	9
6	7	8	10
7	8	9	11
8	9	10	12
9	10	11	13
10	11	12	14
11	12	13	15
12	13	14	16
13	14	15	17
14	15	16	18
15	16	17	19
16	17	18	20
17	18	19	21
18	19	20	22
19	20	21	23
20	21	22	24
21	22	23	25
22	23	24	26
23	24	25	27
24	25	26	28
25	26	27	29
26	27	28	30
27	28	29	31
28	29	30	32
29	30	31	33
30	31	32	34
31	32	33	35
32	33	34	36
33	34	35	37
34	35	36	38
35	36	37	39

define humidity -
 relative

water in the air