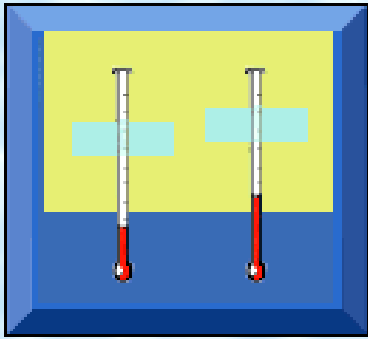




What happens when a storm comes?



Make a Psychrometer

A psychrometer measures the amount of relative humidity in the air.

Materials

- 2 centigrade thermometers
- tape
- wet gauze
- rubber band
- fan
- table, below

Instructions

1. **TAPE** the two thermometers to the surface of a table with the numbers facing up and the liquid filled ends sticking over the edge of the table about 2.5 cm (1 inch).
2. Using the rubber band, **TIE** the wet gauze around the liquid filled end of one thermometer.
3. **BLOW** the fan on the thermometers until the temperature stops falling.
4. **WRITE DOWN** the temperature on both thermometers.
5. **SUBTRACT** the temperature on the wet thermometer from that of the dry one.
6. **LOOK** at the table below. **FIND** the dry thermometer temperature on the left and **FOLLOW** it to the right. **FIND** the difference between the two temperatures on the top, and **FOLLOW** it down. The number where the row and column intersect is the relative humidity.

Can you use your psychrometer to predict a storm?

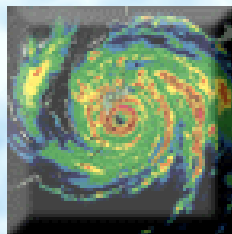
Relative Humidity Table (in percent)

Dry Bulb Dry Bulb Minus Wet Bulb (degrees celsius)

°C	1	2	3	4	5	6	7	8	9	10
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	22	15	7
14	90	79	70	60	51	42	34	25	18	10
15	90	81	71	61	53	44	36	27	20	13
16	90	81	71	63	54	46	38	30	23	15
17	90	81	72	64	55	47	40	32	25	18
18	91	82	73	65	57	49	41	34	27	20
19	91	82	74	65	58	50	43	36	29	22
20	91	83	74	67	59	53	46	39	32	26
21	91	83	75	67	60	53	46	39	32	26
22	91	83	76	68	61	54	47	40	34	28
23	92	84	76	69	62	55	48	42	36	30
24	92	84	77	69	62	56	49	43	37	31
25	92	84	77	70	63	57	50	44	39	33



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