| Humidity - | | |
|-------------------|--|--|
| | | |



Relative humidity —

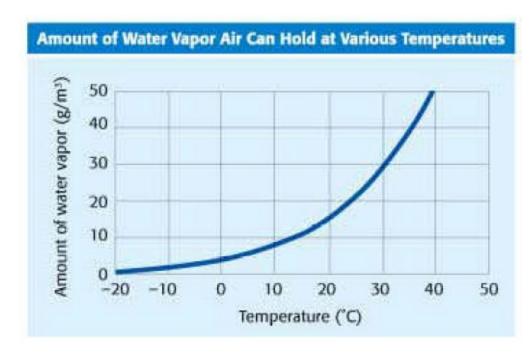


30deg & 15 g/m3 _____% humidity

20deg & 15 g/m3 humidity

40deg & 40 g/m3 ____% humidity

40deg & 10 g/m3 % humidity



RELATIVE HUMIDITY FORMULA:

actual amount of water vapor

X 100

amount of water vapor the air can hold

| Psychrometer- | | |
|---------------|--|--|
| | | |

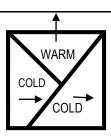
| Saturated – | |
|-------------------------------|--|
| (can be achieved in 2 ways) | |
| a) Add more to the air | |
| b) the temperature of the air | |
| | |
| Dewpoint - | |
| | |
| | |
| | |
| Condensation Nuclei— | |
| | |
| | |
| | |
| Clouds – | |
| | |
| · | |
| ~.* | |
| <u>Cirrus</u> – | |
| | |
| | |
| C | |
| <u>Cumulus</u> - | |
| White= | |
| Grey= | |
| Grey- | |
| Stratus- | |
| <u>Siratus</u> - | |
| | |
| | |

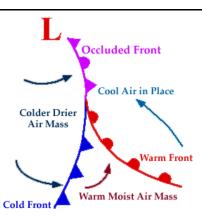
| _ |
|----------------------|
| |
| _ |
| _ |
| |
| _ |
| |
| |
| _ |
| |
| <u>Maritime</u> = |
| <u>Continental</u> = |
| |
| <u>Polar</u> = |
| <u>Tropical</u> = |
| |
| |
| |
| • |

| A Fronts — |
|--|
| Warm front- |
| WARM |
| Cold front— (rapid rising of warm air) 1 2 |
| COLD |
| Stationary front- |
| W C O L D |

Occluded front-

1





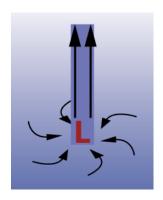
B Wind—

1)

- c) No difference in pressure=
- d)Small difference in pressure=
- e) Great difference in pressure=

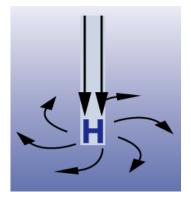
C Cyclone-

- 1) Rotation=
- 2)
- 3) weather=



D Anticyclone-

- 1) Rotation=
- 2)
- 3) Weather=



| C | | | 2 2 |
|------------|------|---------|-------------|
| 5 e | vere | weather | Z-3- |

| \mathbf{A} | Гhunderstorms —s | mall intense weather sys | stems |
|----------------|---------------------------|--------------------------|------------------|
| 1 | Strong winds-caus | sed when | falling to earth |
| p | ush out o | f the way and form big | _ |
| - | betwe | een the colliding | |
| $\overline{2}$ | Heavy rain- cause | ed by great volumes of | |
| | | rising | |
| 3 | Lightning- an | | between |
| | | areas and | |
| | area | S | |
| | <u>a)</u> | | |
| | b) | | |
| | c) | | |
| 4 | Thunder - the sour | nd that comes from the _ | |
| | and | of air du | e to a |
| | (air | molecules slamming in | nto each other) |
| 5 | Negative effects: | | |
| | a) | | |
| | b)Flash floods- ca | used by the ground not | being able to |
| | | the exc | essive rain |
| | c) | | |
| | d) | | |
| | e) | | |
| | f) | (from the lightning) | |
| 6 | Safety measures: | | |
| | a) | | |
| | b) | | |
| В <u>Т</u> | <u>ornados</u> - | | |
| | | | |

| | 1 | Wind speeds | | |
|---|---|------------------------|------------------|----------------|
| | | a) | | |
| | | b) | | |
| | 2 | Size | | |
| | | a) Destruction path- | | |
| | | b) Width of funnel- | | |
| | 3 | Duration - | | |
| | 4 | Safety measures: | | |
| | | a) | | |
| | | b) | | |
| | | c) | | |
| C | H | <u>[urricane</u> - | | |
| | | | | |
| | 1 | Wind speed- | | |
| | 2 | size | | |
| | | a) Destruction path- | | |
| | | b) Width of storm | | |
| | 3 | Duration - | | |
| | 4 | Formed when a group of | | storms |
| | | meet over the | _, and then $_$ | due to |
| | | winds from different | | |
| | 5 | Storm surge- | _ of | that builds up |
| | _ | due to the | and _ | · |
| | 6 | Safety measures: | | |
| | | a) | | |
| | | b) | | |
| | | c) | | |
| | | d) | | |
| | | e) | | |
| | | | | |

| Forecasting t | he W | eather | 2-4 |
|---------------|------|--------|-----|
|---------------|------|--------|-----|

10 Weather maps-

| D Weather forecast- |
|-------------------------|
| E Meteorologist – |
| |
| F Weather instruments: |
| 1 <u>Thermometer</u> - |
| |
| 2 Barometer- |
| |
| 3 <u>Windsock</u> — |
| |
| 4 Wind vane – |
| |
| 5 <u>Anemometer</u> - |
| (D |
| 6 <u>Psychrometer</u> - |
| 7 Uvaramatar |
| 7 <u>Hygrometer</u> - |
| 8 Radar- |
| |
| 9 Weather satellite- |
| |