

Done By Mrs. Arwa AL Mussabi- Refaa School Al Ain Regine

Atmosphere

A-Atmosphere: Is the blanket of gases that surrounds Earth.

B-Mix of Gases: Nitrogen, Oxygen, Carbon dioxide and other gases. **C-Animal & plants** need O2, Plant need CO2

D- Four layers order from Earth's surfaces:

1-Troposphere

2-Stratosphere

3-Mesosphere

4-Thermosphere

2-Stratosphere is the layer above the troposphere. The air gets even lighter in the mesosphere and thermosphere.

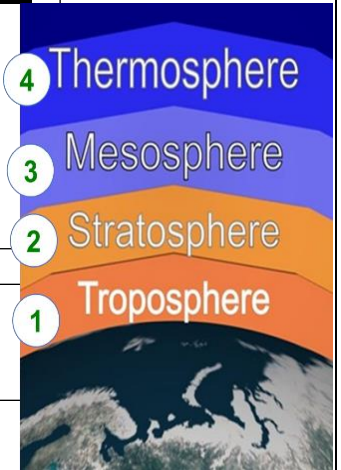
1-Troposphere: is the layer closest to Earth's surface. **It has:**

1-Very thin.

2-Has Earth's life.

3-Has Earth's elements of weather.

4-Has air particles(Gases).



Weather الطقس describes short term air condition like wind and temperature..

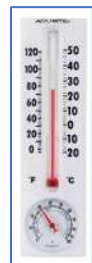
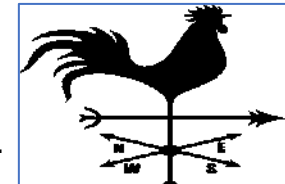
Climate المناخ is a pattern of seasonal weather in an area.



1-Hygrometer: measure humidity.

How can measure weather? By using this 6 Tools

2-Wind vane: for wind direction.



3-Thermometer: measure air temperature.

4-Barometer: measure air pressure.



5-Rain gauge: measure amount of rain.

6- Anemometer: measure wind speed.



Weather is the condition of the atmosphere at a given time and place.

Weather Elements

1-Air Temperature

Temperature how hot or cold something.
Air moving at different speed & direction by Sun energy when it heat Earth's surface.

2-Wind

Wind is air that moves from place to place.

3-Humidity

Humidity is a measure of how much moisture رطب is in the air.

Desert low Humidity.
Rain forest high Humidity.
Ocean give most moisture.
Bodies of water, soil, and plants give a rest of moisture.

4-Air Pressure

Air pressure is the force of air pushing on an area.

	Cool air	Warm air
Particles	closer	Far away
Weights	more	less
Density	more	less
Pressure	high	low



5-Precipitation

5-Precipitation Any form of water that falls from clouds.
الهطول The term includes rain, snow, sleet صقيع, and hail برد.