

Unit 4 lesson 3 ①

ON
Test

Weather

- What the atmosphere is like at a given time & place
- changes day to day
- changes hour to hour

Meteorologists

- Scientist that studies weather

Weather Reports :

- Tell what the weather is like

- Helpful :

- Know what to wear
- Plan activities
- to schedule flights (airports)
- farmers care for crops

Weather is determined by:

- 1) Air temperature
- 2) cloud coverage
- 3) Amount of precipitation

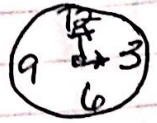
Monday

Tuesday

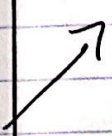
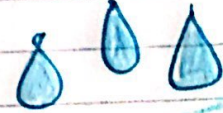
Wednesday

Thursday

FRIDAY



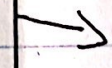
Rainy



Cloudy



Sunny



Windy

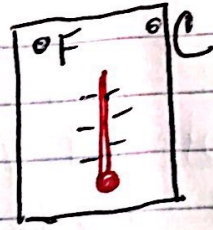


Unit 4 Lesson 3 (2)

TOOLS for measuring weather

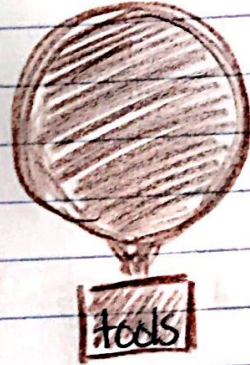
Thermometer

- measures **temperature**
- how hot or cold something is



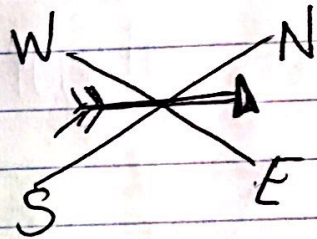
Weather Balloon

- carries weather tools high into the atmosphere
- measures temperature, wind speed, & other conditions



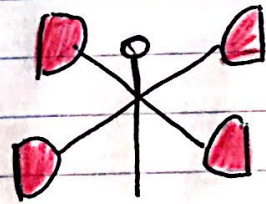
Wind Vane

- measures wind **direction**



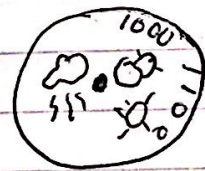
Anemometer

- measures wind **SPEED**
- cuplike arms that spin
- kilometers per hour (km/hr)



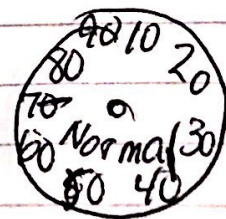
Barometer

- measures **Air pressure**



Hygrometer

- measures **water vapor** in air → **humidity**
- higher temperature higher humidity



- Hydro
- water
 - wet
 - moist

Unit 4 lesson 3
Types of Clouds
* 2 characteristics
• Shape • Height

Stratus Clouds (low)

- Flat layers like gray blankets
- cover most of the sky
- may signal rain (snow)

Cumulus Clouds (middle)

- Puffy & white like cotton
- flat bases
- Fair Weather
* When white turns to gray → stormy weather

Alto cumulus

High
middle to high clouds

Cumulonimbus:

- Thunderstorms
- low to high heights
- may produce hail

Cirrus Clouds (High)

- thin, white, feathery
- Fair Weather
- NO Precipitation (too high)
- When they start to join - sign that weather may change

Height on test:

Highest: Cirrus
Middle: Cumulus, Alto cumulus, cumulonimbus
Lowest: stratus

