



Storm Surge

studyclix.ie
makes exams easier

When the levels of seawater rise during the storm

Atmosphere

studyclix.ie
makes exams easier

The thin layer of gases that insulates the Earth from extreme temperatures

Stratosphere

studyclix.ie
makes exams easier

The region of the atmosphere in which the Ozone layer is located

Troposphere

studyclix.ie
makes exams easier

The lowest region of the Earth's atmosphere where weather and clouds occur





Solar Radiation

studyclix.ie
makes exams easier

The energy that travels from the sun to the Earth

Isobars

studyclix.ie
makes exams easier

The bars on weather maps that identify areas of equal atmospheric pressure

Air Masses

studyclix.ie
makes exams easier

Large, moving pockets of air that travel as a single unit

Fronts

studyclix.ie
makes exams easier

Where two air masses meet





Warm Fronts

studyclix.ie
makes exams easier

When a mass of warm air rises over a mass of cool air

Cold Fronts

studyclix.ie
makes exams easier

When a cold air mass replaces a warm air mass

Occluded Fronts

studyclix.ie
makes exams easier

When one front takes over another

Isotherms

studyclix.ie
makes exams easier

The lines on weather map that identify areas of equal temperature





Atmospheric
Pressure

studyclix.ie
makes exams easier

The weight of the
atmosphere on the earth

Barograph

studyclix.ie
makes exams easier

The instrument used
to measure
atmospheric pressure
(in hectopascals)

Humidity

studyclix.ie
makes exams easier

The amount of
moisture in the
air

Hygrometer

studyclix.ie
makes exams easier

The instrument used to
measure relative humidity
(as a percentage of
maximum humidity)





Stevenson Screen

studyclix.ie
makes exams easier

A white box that contains all the instruments used to measure temperature, humidity and atmospheric pressure

Wind Vane

studyclix.ie
makes exams easier

The instrument used to measure wind direction (N, S, E or W)

Anemometer

studyclix.ie
makes exams easier

The instrument used to measure wind speed (in km/h)

Beaufort Scale

studyclix.ie
makes exams easier

The scale used to measure wind strength (on a scale from 1-12)





Campbell-Stokes
sunshine
recorder

studyclix.ie
makes exams easier

The instrument used
to measure sunshine
(in hours per day)

Isohels

studyclix.ie
makes exams easier

The lines on a
weather map that
identify areas of
equal sunshine

Rain Gauge

studyclix.ie
makes exams easier

The instrument used
to measure rainfall
(in millimetres)

Clouds

studyclix.ie
makes exams easier

Collections of tiny
water droplets held
in the atmosphere





Stratus Clouds

studyclix.ie
makes exams easier

Flat, grey clouds that occur below 2,000 metres, indicating a rainy day

Cumulus Clouds

studyclix.ie
makes exams easier

Fluffy, white clouds that occur below 5,000 metres, indicating a sunny day

Cirrus Clouds

studyclix.ie
makes exams easier

Wispy, white clouds that occur above 8,000 metres

Convectional Rain

studyclix.ie
makes exams easier

When warm air rises and later condenses to form a cloud





Cyclonic Rain

studyclix.ie
makes exams easier

When two air masses meet, causing the warm air to cool and condense

Relief Rain

studyclix.ie
makes exams easier

When prevailing winds carrying moisture are forced to cool and condense as they travel over mountains

Evaporation

studyclix.ie
makes exams easier

When the sun heats up water and turns it into water vapour

Condensation

studyclix.ie
makes exams easier

When water vapour rises, cools, and condenses into tiny water droplets





Precipitation

studyclix.ie
makes exams easier

When the air cannot hold any more water and so releases it

Run-off

studyclix.ie
makes exams easier

The water that runs off the land into the lakes, oceans and rivers

Prevailing Winds

studyclix.ie
makes exams easier

The most common winds, named after the direction from which they come

Aspect

studyclix.ie
makes exams easier

The direction a slope faces relative to the sun





Altitude

studyclix.ie
makes exams easier

Height above
sea level

Westerlies

studyclix.ie
makes exams easier

Prevailing winds from
latitudes between 30
and 60 degrees

The
Doldrums

studyclix.ie
makes exams easier

The area close to
the equator where
the weather is very
calm

North Atlantic
Drift

studyclix.ie
makes exams easier

The north-easterly travel
of the warm current from
the Gulf of Mexico to
northwest Europe





Coriolis Effect

studyclix.ie
makes exams easier

The pattern of deflection

Gulf Stream

studyclix.ie
makes exams easier

A warm current, starting in the Gulf of Mexico flowing toward the North Atlantic Ocean

Anticyclone

studyclix.ie
makes exams easier

An air mass containing a centre of high pressure

Synoptic Chart

studyclix.ie
makes exams easier

The formal name for a weather map



