

Understanding Weather

Science

Grade: High School

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I have...

the tilt of the earth toward the sun.

I have...

atmospheric water vapor.

I have...

evaporation.

I have...

a molecule in the gaseous state.

Who has...

where precipitation comes from?

Who has...

the process by which a molecule of
a liquid becomes a gas?

Who has...

the molecule that has more energy,
one in a gaseous state or a liquid
state?

Who has...

the process by which a molecule of
gas may return to the liquid state?

I have...

condensation.

I have...

heat of vaporization.

I have...

dew point.

I have...

dew.

Who has...

the extra energy gained by
evaporating molecules?

Who has...

the term for the temperature at
which water vapor in the air begins
to condense?

Who has...

what is formed when the air near the
ground cools below the dew point?

Who has...

the term for the temperature at
which frost begins to form?

I have...

the sun.

I have...

thermal energy, uneven distribution
of thermal energy, water vapor in
the atmosphere.

Who has...

where thermal energy comes from?

Who has...

the reason that there is an uneven
distribution of heat across the
earth's surface?

I have...
frost point.

I have...
sublimation.

I have...
a cloud.

I have...
by shape and height.

Who has...

the process where a molecule of supercooled water collides with a plant or the soil?

Who has...

what is formed when temperatures fall below the dew point and water vapor in the air condenses into droplets of water.

Who has...

how meteorologists classify clouds?

Who has...

the four basic cloud families?

I have...

cumulus, stratus, cirrus and lenticular.

I have...

-nimbus or nimbo.

I have...

cumulus.

I have...

stratus.

Who has...

the suffix and prefix attached to a cloud family name, to denote that it produces precipitation?

Who has...

the Latin term for "a heap" or "a pile"?

Who has...

the Latin term that the word layer is derived from?

Who has...

the Latin term meaning "wisp" or "curl"?

I have...

cirrus.

I have...

fog.

I have...

a front.

I have...

according to the air mass that is advancing into the territory of another air mass.

Who has...

what is formed when water vapor condenses in the layer of air near the ground?

Who has...

the line where two air masses meet?

Who has...

how a front is named?

Who has...

a cold front?

I have...
a mass of cold air moving into territory covered by a mass of warmer air.

I have...
a stationary front.

I have...
precipitation.

I have...
hail.

Who has...
two giant air masses that are at a stalemate, neither can displace the other.

Who has...
the release of water from the atmosphere?

Who has...
layered balls of ice that form during thunderstorms?

Who has...
raindrops that have fallen through an extremely cold layer of air, and frozen into solid ice pellets?

I have...
sleet.

I have...
a snowflake.

I have...
localized storms with lightning, thunder, turbulent winds, heavy rain and sometimes hail.

I have...
lightning.

Who has...
a clump of individual crystals falling to the ground?

Who has...
thunderstorms?

Who has...
an abrupt discharge of electricity through the air?

Who has...
the smallest but most violent type of storm?

I have...
a tornado.

I have...
a hurricane.

I have...
hurricane, or cyclone.

I have...
into five categories depending on the strength of their winds.

Who has...
an intense low pressure system that develops in the tropics?

Who has...
another name for a typhoon?

Who has...
how hurricanes are classified?

Who has...
the eye of a hurricane?

I have...

a region of very low pressure, a few miles wide, around which a storm rotates.

I have...

it dissipates into a mass of rain showers within a few days.

I have...

"shaped like a lens".

I have...

smog.

Who has...

what happens when a hurricane moves onto a continent?

Who has...

the meaning of "lenticular"?

Who has...

what is formed when complex molecules are released into the air by cars, buses, trucks, other machinery and certain trees and plants?

Who has...

what ozone is composed of?

I have...

the break down by sunlight of certain noxious chemicals in the air.

I have...

air mass.

I have...

when a body of air remains still long enough to acquire the characteristics of the region it inhabits.

Who has...

a large body of air with relatively uniform temperature, humidity and pressure?

Who has...

how an air mass is formed?

Who has...

the type of weather a region will experience when an arctic air mass passes over?

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