Hurrican Report Essay, Research Paper

Hurricanes can be caused by many forces acting upon one anotherThe hurricane

must

form over ocean water that is 26.5\* C. Hurricanes draw their energy from warm

waters. The

atmosphere must be unstable. The cyclone has to be at most 500 kilometers

from the equator,

because the Coriolis force is not present there. The Coriolis Force makes the

cyclone spiral and

maintain it?s low pressure. A high pressure area must be present above the

storm, which

pushes away the air that is rising from the storm. Hurricanes may not always

form in these

conditions, but they always have to be present.

Hurricane are categorized into 5 categories, starting with the smallest and

working its way

up to the largest Category I Hurricanes have winds of 118-153, storm surges

of 1.2 meters and

cause very little damage. Category II hurricanes have winds of 154 through

177. Storm surges,

swells, up to 1.7 meters and damage to shrubbery, mobile homes, and small

crafts. Category III

have winds from 178-210, storm surges up to 2.7 meters. Damage is done to

Trees, roofs, mobile

homes, some flooding occurs, and damage is done to roofs. Category IV have

winds from 211-

249. Storm surges get to an amazing 4.0 meters. Damage is done to all signs,

roofing, major

flooding, and evacuation is planned. Category V hurricanes, the most deadly

of all hurricanes has

winds of 250 plus. Enormous surges of 5.5 meters plus and damage is done to

nearly everything.

Hurricanes are born in the ocean no more than 500 kilometers from the

equator. The

water has to be warm and high pressure areas must be present.

Hurricane season affects the eastern coast, the Caribbean, and Central

America it

occurs from June to November, when waters are warm and pressure is high. In

the

Pacific ocean it can occur year-round.

2

The hurricane is made up of three different parts. The eye, the eye wall, and

spiral

rain bands. The eyes is the center of the hurricane, and is produced by

spiraling of the storm.

Made up of air slowly sinking. It is the lowest surface pressure and warmest

temperature aloft.

The next area is the eye wall. The area that surrounds the wall is the eye

wall. The eye wall is

made up of air that is rising due to many updrafts and downdrafts. It has the

highest surface

winds of the storm. The last part of the hurricane is Spiral rain bands.

Spiral rain bands are bands

of heavy showers that move inward toward the storms center.

There are many differences between a Tropical depression, tropical storm,

typhoon, and a hurricane. A Tropical storm is the storm that builds up into

the hurricane and

typhoon A Tropical storm is the storm that builds up into the hurricane and

typhoon. Hurricanes

and Tropical storms occur in the Atlantic oceans, however Tropical storms

occur in both the

Atlantic and the Pacific. Typhoons, on the other hand, occur only in the

Pacific. Tropical

depression forms in the ocean to build u to a Tropical storm. A Tropical

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oceans, however Tropical storms occur in both the Atlantic and the Pacific.

Typhoons, on the

other hand, occur only in the Pacific. The number of all these are increasing

every year. This year

there are more than 11 names hurricanes, and 3 or more major ones predicted.

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The most deadly hurricane was the Bangladesh cyclone of 1970, it killed more

than

300,000 people. The costliest had been Hurricane Andrew in 1992, it cost more

than 25 billion

dollars. The most intense storm was Typhoon Forrest, depended 10 millibars in

under 24 hours.

In one day winds increased from 120 kilometers per hour to 277 in one day.

Hurricanes, typhoons, and tropical storms are all alike in some ways, but

different in

others. They all are terrible forces of nature that have their own way of

contributing to this world.

Even though they may do terrible things to this earth, it does it for a

reason.

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