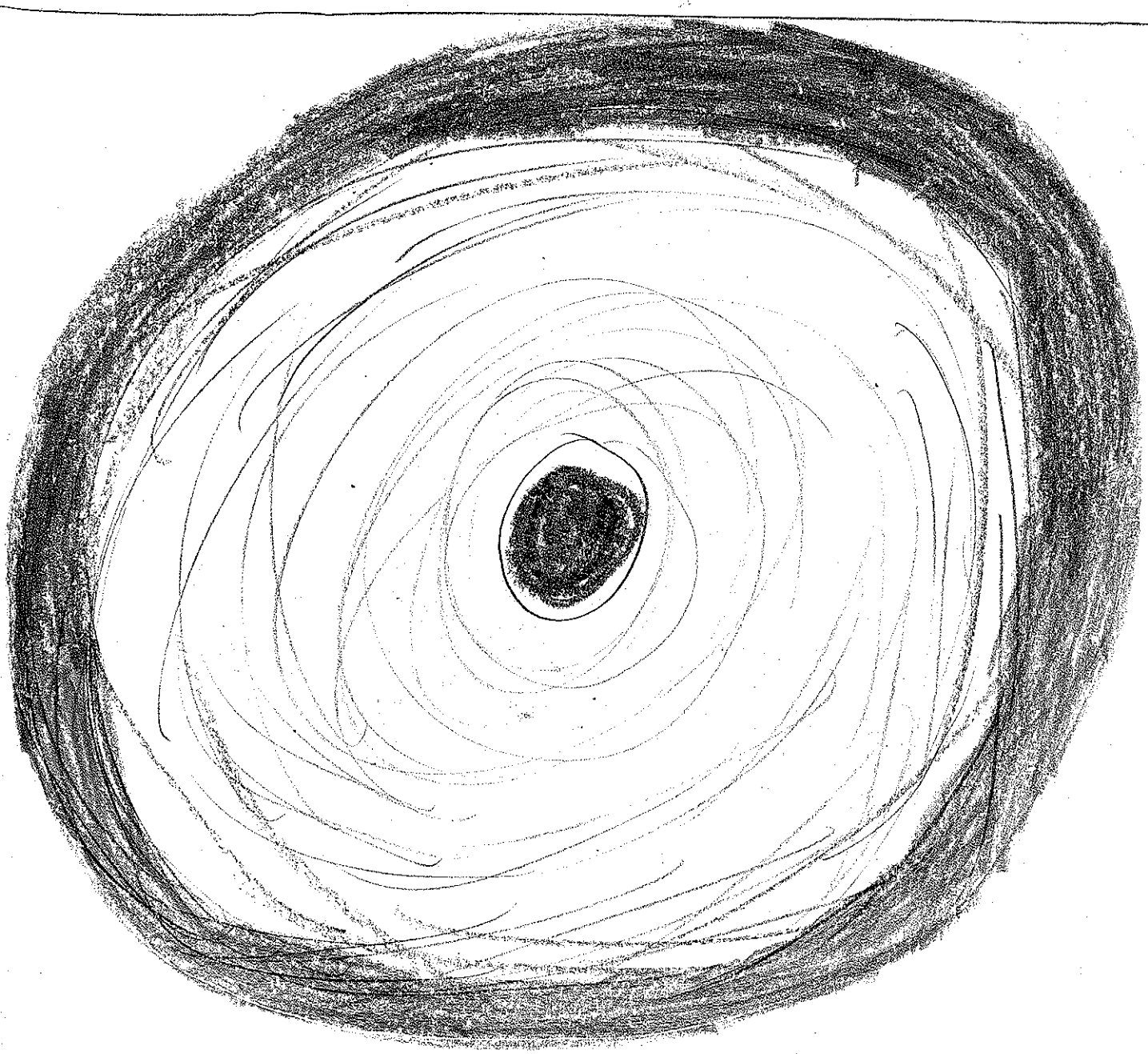
Hurricanes



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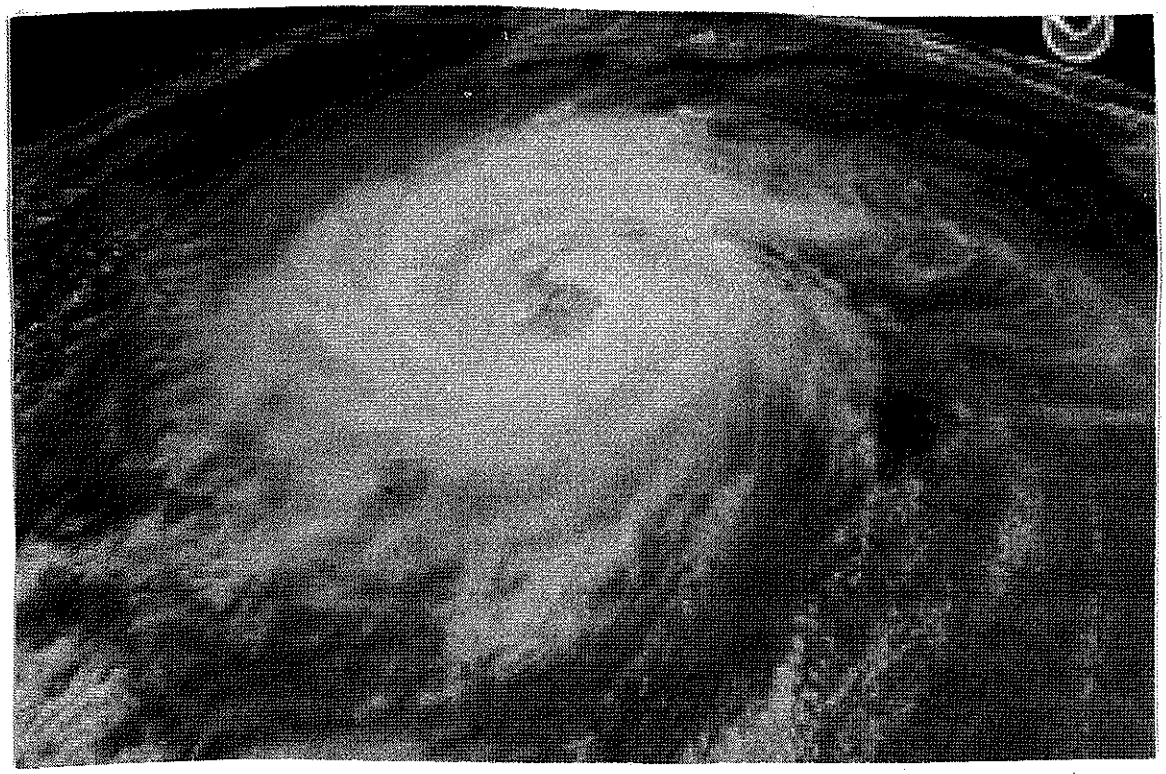
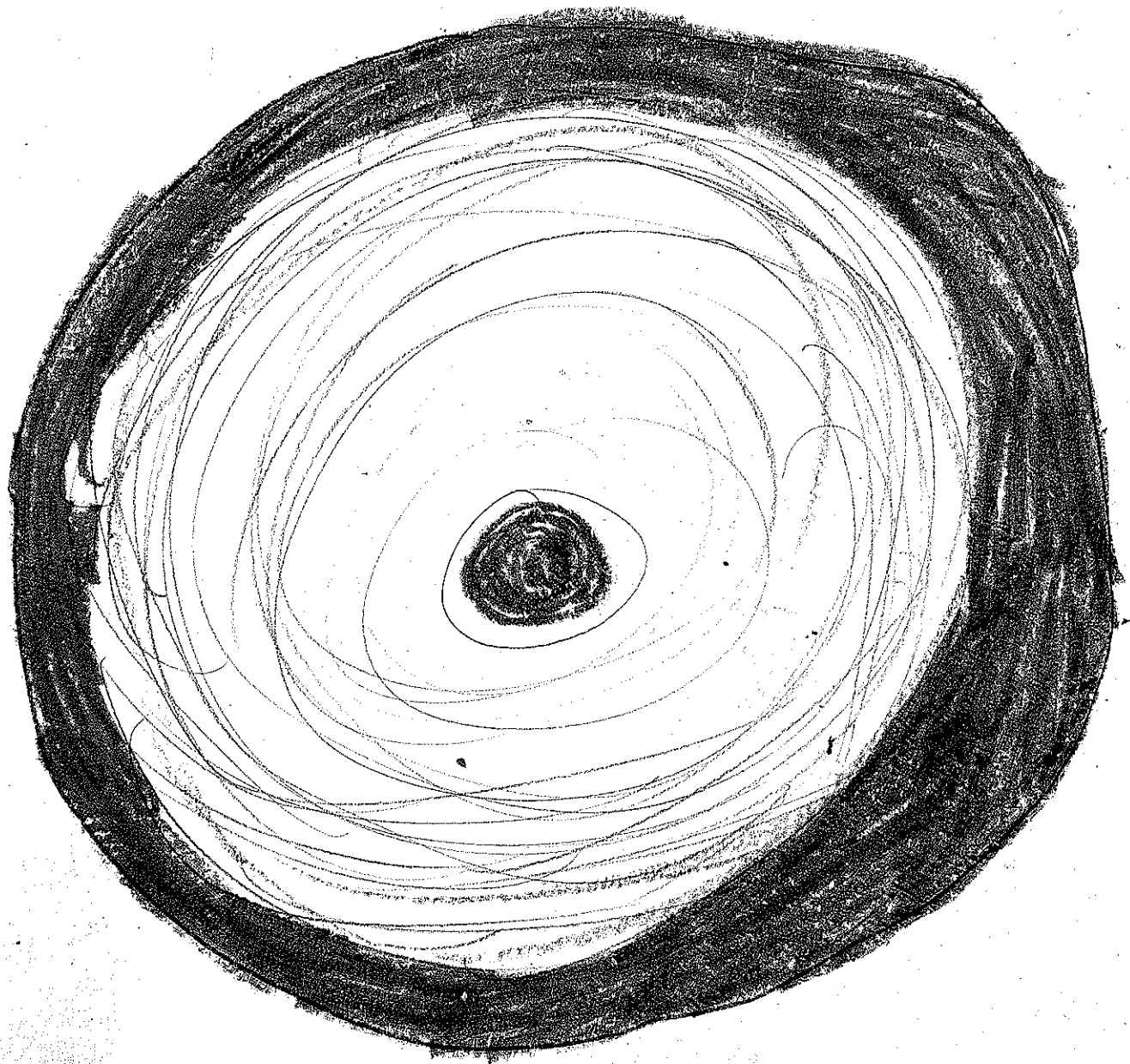


table

Introduction

Do you like storms? Are you afraid of them? One of the most powerful storms ever, is the hurricane. These winds can reach over 156 miles per hour! Turn the page to learn more about these fascinating storms!



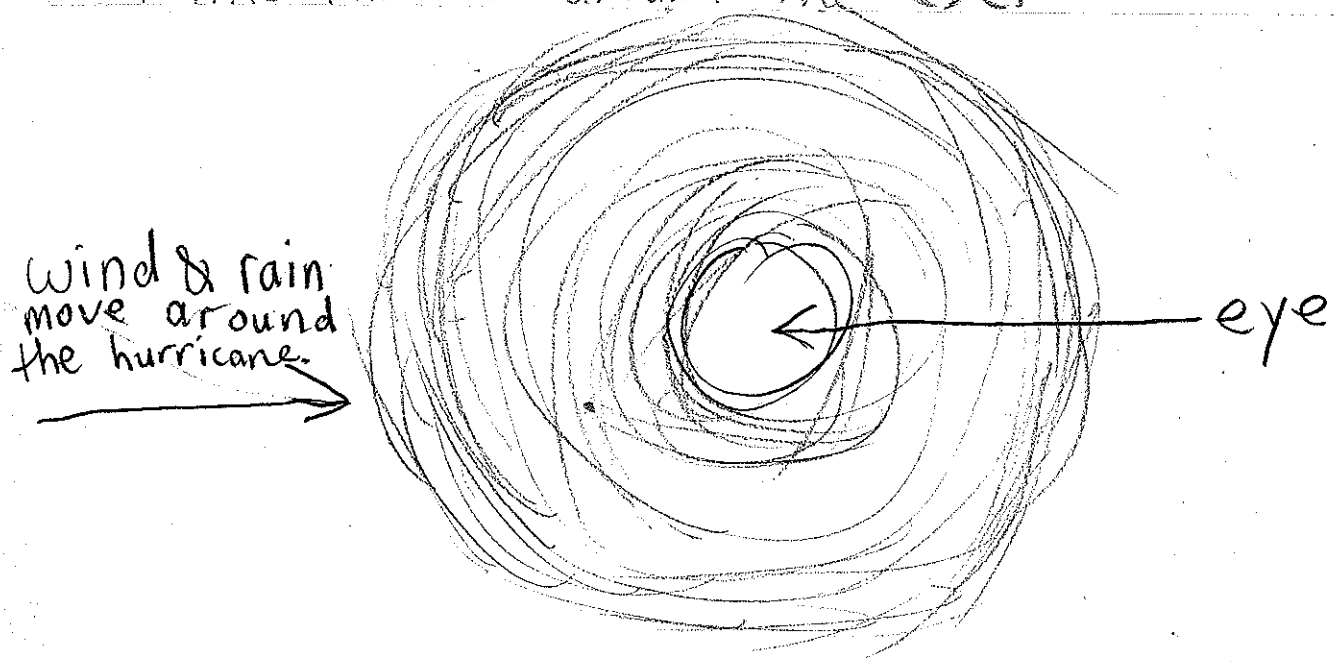
What are They?

What are They?

Hurricanes are fascinating storms. They are big storms of wind and rain that take place over the ocean near the **equator**. A hurricanes wind is 74 miles per hour or more.

A **Storm Surge** is when the ocean's water level suddenly rises. A big massive wave floods onto the land. It causes awful floods.

The **eye** of a hurricane is the small circle in the center of a hurricane. It is 50,000 feet tall. The **eye** is calm, with no storms inside. The wind and rain spin like pinwheels around the **eye**.



A labled diagram of a hurricane. ↑

#2

How They Form

Hurricanes form in an interesting way. To start, they need **moisture**. That is why they take place over the ocean. The perfect hurricane **climate** is hot, sunny over the ocean near the equator.

The hot sun shines down on the water, making it warm. The warm air rises. It cools as it continues to go up. The cool air can't hold as much **moisture**. The **moisture** from the warm air turns into rain clouds. When cool air takes the place of warm air, it creates wind.

It starts to rain, and the wind gets stronger. This is called a tropical storm. When the winds reaches 74 miles per hour or more, it becomes a hurricane.

Where They Happen

Do you know where hurricanes take place? Hurricanes usually take place in the warm **tropics**. The **tropics** are south, near the equator. These places include: Texas, Florida, Mexico, India, Bangladesh, The Caribbean, Louisiana, California, and England. Hurricane season is June to September.

A labled map of where hurricanes usually take place.

☆ = hurricane

Famous Hurricanes

1900 - 1940

Date	Place	Deaths
1900	Galveston, Texas	6,000
1906	Hong-Kong	10,000
1919	Florida & Texas	800

Date	Place	Deaths
1965	Banladesh	14,000
1942	India	40,000
1963	Bangladesh	22,000

A chart of some of the most terrible hurricanes that ever happened.

The Worst Hurricane

The worst hurricane that ever took place was in Bangladesh, 1970. Over five-hundred thousand people were killed.

Many different Names

In different places around the world, hurricanes have different names. In Australia, people call them Willy Willies. People in China call them typhoons, and in India, they are called cyclones.

#5

Hurricane Damage

Hurricane damage can be frightning. There are 5 categories of a hurricane. Category 1 is the weakest. Its winds are 74-95 miles per hour. The damage may break some roof shingles, tip over pots, or move an outdoor table a couple of feet.

Then come category 2. These winds are 96-110 miles per hour. The damage may brake roof shingles and pots, & sway trees back and fourth.

Next is category 3. The winds are 111-130 miles per hour. The damage will shake trees rapidly, and may even brake or shatter a window.

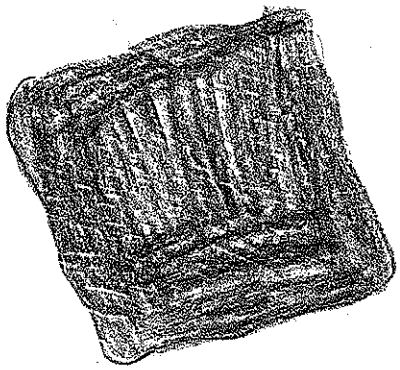
Category 4 has winds of 131-155 miles per hour. This damage would uproot trees, break windows, and knock out power.

The last category is 5. This is the strongest of all! Its damage destroys houses, cars, and causes deathly floods. Many deaths occur in this category.

#6

How To Stay Safe

Do you know what to do in order to stay safe in a hurrcane? First, you will need supplies. Always have food, water, a flashlight with batteries, blankets, and a first aid kit handy. Your house may flood, so be ready to move to higher ground. If the storm is very bad, you may need to **evacuate** the area, so keep a full tank of gas in your car.



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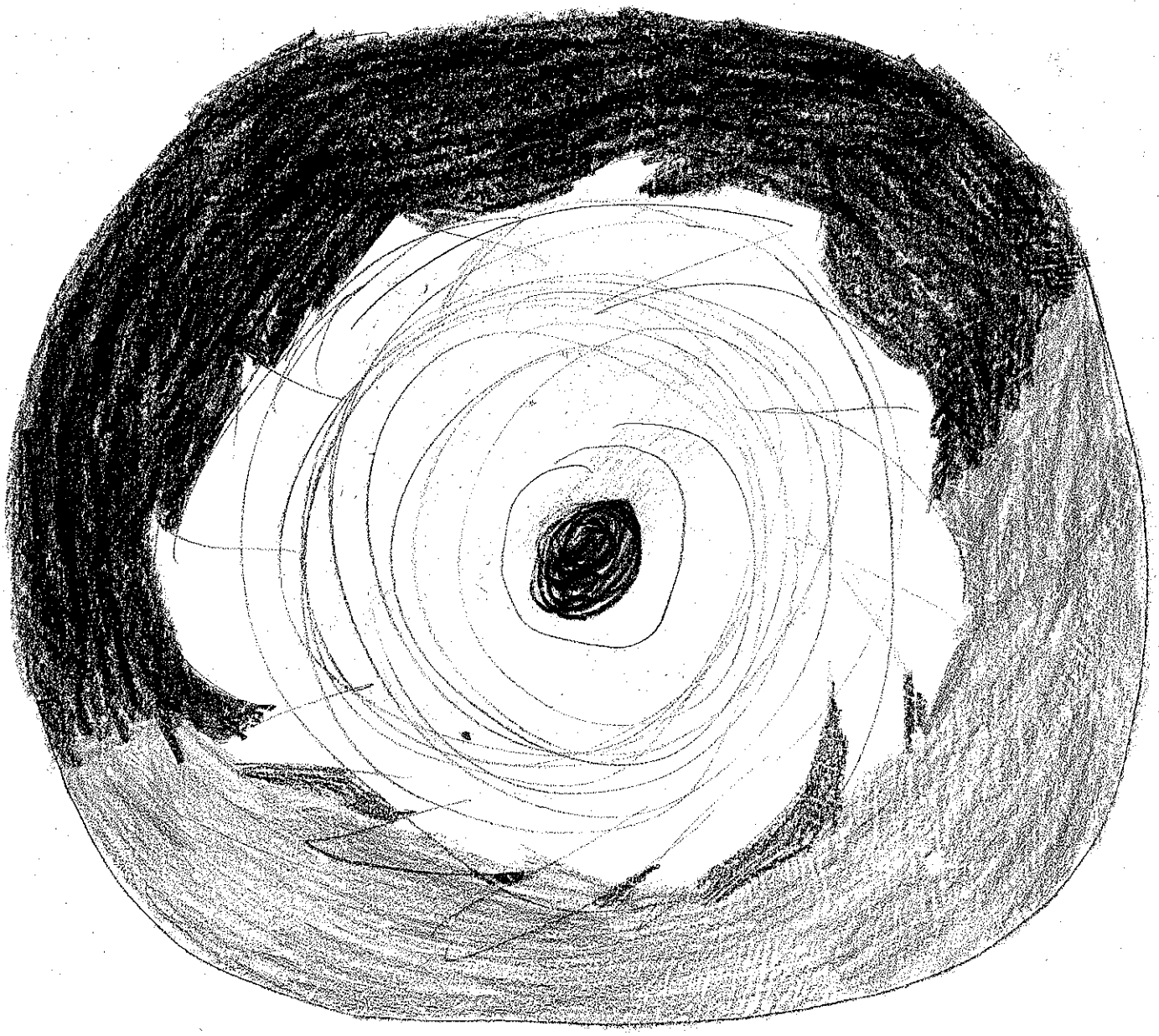
Conclusion

To conclude, hurricanes are amazing storms. Its true they can be dangerous, but if we know what to do, we will be safe.



Glossary

Words You should know

- **Category** - Divided groups that relate to one big topic, but with different characteristics.
- **Climate** - Weather conditions of a certain region.
- **Equator** - An imaginary line that divides the earth in half.
- **Evacuate** - To quickly leave the area.
- **Eye** - The 50,000 feet high, calm, circle in the center of a hurricane.
- **Moisture** - Wettnes
- **Rapidly** - To move quickly.
- **Storm Surge** - A sudden rise of the oceans water level.

Tropics - An area of the earth surrouneding the equator.