



Topic/Objective CHAPTER:

NAME:

Pd: 1 2 4 5 other

DATE

Essential Question

What is a Hurricane?

Cue: Review:

Thoughts: Main Idea

Video

Video

NOTE Taking AREA:

- Hurricane & twister song —by: Mr. Parr
- Introduction to Hurricanes by: Frank Gregorio
- Sun rises in late summer over the warm tropics.
- where ocean evaporation is high, thus causing a FEARSOME storm.

Type of pressure

- This storm is called: **Hurricane**
 - ↳ Low pressure system spinning counterclockwise
 - ↳ with air sinking @ the center then rising and sinking.

How do they form?

Step 1

- Sun over a warm tropical ocean causes H₂O to evaporate & rise.

Step 2

- As it rises, it cools & condenses into clouds.... lots of clouds

Step 3

- Over time, those clouds combine to form **Cumulonimbus Clouds**

Step 4

- As they get massive, some storms may begin rotating. AKA: **Tropical disturbance**
- That rotation sucks up billions more tons of (H₂O vapor) from the warm south Atlantic
- Becomes a **Tropical depression**

NOTES CONTINUE ON OTHER SIDE



Topic/Objective CHAPTER:

NAME:

DATE

Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

Step 5

- If the storm reaches sustained winds of 39mph it is named a Tropical Storm
- If winds reach 74mph it is classified a Category 1 Hurricane
- Ships at sea face grave danger
- If a Hurricane hits land death and destruction will follow. It loses its energy source of warmth

Hits land

classified according to Saffir-Simpson hurricane scale

Center of Hurricane

Safest ^{and calm} place in a hurricane is in the center - eye (eye middle) which is surrounded by a band of strong winds

Strongest winds

Tropical cyclones a.k.a. hurricanes ^{↳ Eye wall}

Air sinks

- ↳ large rotating low pressure storms w/ sinking air
- ↳ which originate over warm water

SUMMARY:

Storm surge is wind driven water towards land which washes over it.

Storm weakens when it moves over land b/c

The warm moist air is cut off and it loses its energy source