**DO NOT WRITE ON THIS SHEET!!!**

Chapter 11 Summary.

Write the title of Chp. 11 Dealing With Extreme Weather: Hurricanes in the Caribbean

Create an illustrated dictionary for the blue terms. Include a picture for each blue term. El Nino, extreme weather, meteorology, natural disaster, tropical cyclone p. 165

Write the definitions only of the bold black terms. Tornadoes, tropical zones, atmosphere, prevailing winds, tropical disturbance, tropical depression, tropical storm, Saffir – Simpsons scale, storm surge

As you summarize the chapter. Copy each of the bold headings

11. **3- Understanding the Weather Machine**

1. What 3 elements create the “weather machine” energy for weather and what is the result?The sun, Earth, and the atmosphere turns into rain, wind, and other forms of weather.

**The Sun Starts it all**

The sun warms Earth’s surface unevenly

Its rays fall most directly between the tropic of Cancer and the Tropic of Capricorn.

Higher latitudes receive \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The sun’s heat is distributed around Earth through a process called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_or \_\_\_\_\_\_\_\_\_\_\_\_\_ this transfer occurs in both \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Air and Water Move in Predictable Patterns**

Warm air and water currents flow\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cool air and water currents flow \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This predictable patter creates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Earth’s rotation causes\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Small Changes Can Cause Extreme Weather**

Wind and ocean currents distribute \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

El Nino is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In an El Nino year, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Tropical Cyclones: The Most Violent Weather Events**

Tropical Cyclones occur only\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tropical Cyclones form in 3 oceans\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_

In the \_\_\_\_\_\_\_\_\_\_\_\_\_ their called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**11.4 Extreme Weather: A Hurricane Is Born**

*For this section, copy all the headings and the first sentence in each paragraph.*

**11.5 Inside a Monster Storm**

List and explain the 3 parts of hurricanes

**11.6 Tracking and Preparing for a Hurricane.**

List the ways Meteorologists track and Name hurricanes

List the 7 ways to prepare see picture and caption.

Describe the 5 categories of a storm

What are the two primary tasks for rebuilding after a storm p. 172?

What was the most destructive hurricane, when did it occur, areas affected, deaths, cost of damages.