

WEATHER AND CLIMATE LABORATORY

HURRICANE EDUCATION EXERCISE

Instructions: Log on to the COMET website (<http://www.nhc.noaa.gov/HAW2/pdf/canelab.htm> and <http://www.nhc.noaa.gov/HAW2/english/kids/movncane.htm>). In the first part of this exercise you will use COMET's "Create-A-Cane." In the second portion, you will use COMET's "Aim a Hurricane."

PART I: UNDERSTANDING THE INGREDIENTS IN HURRICANE FORMATION

1. While playing the "Create-A-Cane" game from NOAA's website, write the components needed in hurricane formation.

Latitude	Winds	Moisture	Sea Surface Temperature

2. After completing the game, write a brief summary of your observation of what is necessary in hurricane development.

PART II: UNDERSTANDING HOW HURRICANES MOVE

3. In this part, you will make four (4) observations from COMETs “Aim a Hurricane.” For each **different** observation (test), you will place the 'L,' 'H,' over one of the four locations provided and the Hurricane over one of the spots provided, then click 'Start.' Watch what track the hurricane takes and write your observations. In each written observation, describe where you placed the 'L,' 'H,' and Hurricane. Describe the track the Hurricane takes. Describe the wind and pressure patterns in each observation.

Test	Low Position	High Position	Hurricane Position	Results
1				
2				
3				
4				

Name _____

4. Once you have written about each observation, write an overall summary of how hurricanes move in relation to Low Pressure cells and High Pressure cells.