



Create a Hurricane

Overview

In this Exploration you will choose a temperature, latitude, and air current conducive for creating hurricanes.

Questions

1. Which latitude(s) can produce hurricanes? Why? _____

2. Where does a hurricane's energy come from? _____

3. If you lived in China, what would you call a tropical cyclone? _____

How to Use This Exploration

1. Read the Introduction and click the Continue button.
2. Study the map and read the text. Note that the *Coriolis effect* is the Earth's rotation imparting an acceleration.
3. Note the Fahrenheit conversions are: 24°C=75°F, 27°C=80°F, and 30°C=86°F.
4. Select an ocean temperature, latitude, and movement. Click on the Play button.
5. Read the response and summarize in the Data Chart.
6. Continue with other combinations.

Data

Latitude and movement		Ocean Temperature		
		24°C	27°C	30°C
3°N	NW/N			
	W/NW			
20°N	NW/N			
	W/NW			
32°N	NW/N			
	W/NW			