



## Hurricanes 101

[http://www.cbsnews.com/htdocs/natural\\_disasters/hurricanes/hurricanes101.swf](http://www.cbsnews.com/htdocs/natural_disasters/hurricanes/hurricanes101.swf)

or go to the link on the science page

### Origin

1. Hurricanes begin as small \_\_\_\_\_ near the continent of \_\_\_\_\_ in the \_\_\_\_\_ Ocean.
2. What happens at the Intertropical Convergence Zone? \_\_\_\_\_  
\_\_\_\_\_

### Ingredients

1. Hurricanes form over water that is \_\_\_\_\_ degrees F and \_\_\_\_\_ feet deep.
2. What happens at the surface? \_\_\_\_\_
3. Winds rush upward, forming \_\_\_\_\_
4. \_\_\_\_\_ adds moisture and heat to the rising air. Then the moisture \_\_\_\_\_ and releases \_\_\_\_\_
5. \_\_\_\_\_ is pulled into the storm. What is the result? \_\_\_\_\_  
\_\_\_\_\_
6. What does the surface air do? \_\_\_\_\_
7. What causes the devastating winds? \_\_\_\_\_

### Stages

1. The Coriolis Effect makes Northern Hemisphere storms spin \_\_\_\_\_
2. As the storm gets more organized, it becomes a \_\_\_\_\_ depression with winds less than \_\_\_\_\_ mph. Careful—the site is misleading here.

3. When winds are from \_\_\_\_\_ to 73 mph, the storm is called a \_\_\_\_\_

What else happens? \_\_\_\_\_

4. It becomes a hurricane when the winds reach \_\_\_\_\_ mph.

### Path

1. Why do hurricanes move east to west across the Atlantic? \_\_\_\_\_

\_\_\_\_\_

2. The Bermuda High is \_\_\_\_\_

3. What happens to a hurricane if the Bermuda High is intense? \_\_\_\_\_

\_\_\_\_\_

4. If the Bermuda High is weak, a hurricane might go \_\_\_\_\_

### Landfall

1. What is the deadliest part of a hurricane? 2 slides \_\_\_\_\_

2. Give 2 reasons why hurricanes slow down when they reach land. \_\_\_\_\_

\_\_\_\_\_

### Rip Currents

1. How is a rip current formed? \_\_\_\_\_

\_\_\_\_\_

2. Don't panic if you get caught in one! You can easily escape by \_\_\_\_\_

\_\_\_\_\_