



## How do Hurricanes Form?

So what is a hurricane? Unlike a tornado, hurricanes form over water, although they can move onto land. Hurricanes only occur in areas and during times of the year when the ocean temperature reaches at least 80 degrees F at the surface.

Hurricanes form when warm, moist air over the warm ocean water rises, creating a low pressure area near the surface of the water that is immediately replaced by cooler air. The new, cooler air that rushes in quickly warms up and then rises as well, creating another low pressure area where cooler air rushes in. If this cycle continues over and over, a hurricane may form.



### Materials:

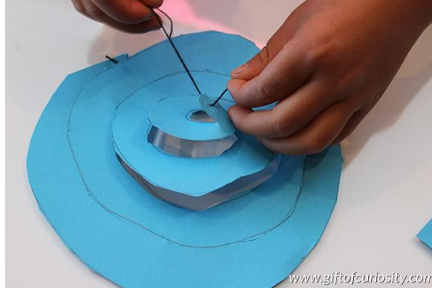
- Pen or Pencil
- One (1) sheet of paper
- Scissors
- String
- Lamp

### Instructions:

1. Draw a spiral on a sheet of paper
2. Cut the spiral out



3. Make a hole on the top center of the spiral
4. Attach a string to the center part of the spiral.



5. Ensure there is enough string to allow the spiral to open



6. This step requires adult supervision!
7. Removed the shade from one of the lamps and moved it near the wall.
8. Hold the spiral above the light bulb.
9. The light bulb gives off heat that causes the spiral to spin. This mimics the rising of warm air off the ocean, just like a hurricane.



**Did you know that hurricanes are only called hurricanes in the North Atlantic region of the globe? In the Western Pacific region, hurricanes are called typhoons. And in the region between Australia and Africa, hurricanes are called cyclones.**