

Cyclones

Hi, today you will be learning why cyclones are cool but dangerous. Fun fact during World War 2 in 1945, US meteorologists named cyclones after their wives and girlfriends. A cyclone is a large air mass that rotates around a strong center of low atmospheric pressure. My purpose today is to tell you how dangerous cyclones can be and how cyclones form.

First, we will discuss how dangerous a cyclone can be. According to Google.com, "the strong winds of a tropical cyclone can cause dangerous waves that pose a significant hazard to mariners and coastal residents and visitors. When the waves break along the coast, they can produce deadly rip currents - even at large distances from the storm." According to bom.gov.au cyclones have gale force winds with wind gusts in excess of 90 km/h around their center. In the most severe cyclones, gusts can exceed 280 km/h.

These winds can cause extensive property damage and turn airborne debris into potentially lethal missiles. Cyclones are powerful weather systems that can cause significant damage to the built and natural environments. They develop from low pressure systems that develop over warm oceans in the

tropics, and generally intensify over several days, generating severe winds, strong rain and flooding

Now, we will discuss how cyclones form. According to bom.gov.au A cluster of thunderstorms can develop over warm tropical oceans. If that cluster persists in an area of low pressure, it can start rotating. If the conditions are just right, the cluster of thunderstorms can grow in size and sustain itself and then develop into tropical cyclones. According to byjus.com, a cyclone is formed when the warm, moist air rises upward over the ocean. As this air moves up, there is a formation of a low-pressure area below. Now the low-pressure area is filled with the high-pressure air from the surroundings. Again, the next batch of cool air gets warm and moist over the ocean moving upward. According to vedantu.com A cyclone is created by atmospheric disturbances in the vicinity of a low-pressure area, and it is frequently accompanied by powerful storms and severe weather. The speed and direction of the wind, as well as temperature and humidity, all play a role in cyclone formation.

Cyclones are really cool but they are also very dangerous but what do you think about them? If you wanna learn more go to: [National geographic.com](http://Nationalgeographic.com), History.com, Google.com, and many others.