

California, Humboldt, Antarctic Circumpolar	Examples of Cold Water Currents
Cold water currents	carry cold water from the poles towards the tropics/equator
Cold water is at the deeper depths because	cold water or air will sink due to being more dense
Currents move NORTH from the Equator because	Warm water rises and moves to the poles
The curved paths of wind and ocean surface currents are due to	the earth's rotation and the Coriolis effect
The damage from a hurricane come in what 3 ways ...	Wind, Flooding, and Storm Surge
Deep water currents carry	Cold water from the poles to the equator
El Nino is	a Warm water current that brings warmer than usual weather to cooler areas
Gulf Stream, North Atlantic Drift, Kuroshio, Brazil	Examples of Warm Water currents
La Nina is	a cooler than normal current that brings cooler water to warmer areas

The main cause of deep ocean currents	water temperature differences (Hot rises, cold sinks)
Negative effects of El Nino	Rain, flash floods, & midslides in places where there is normally little rain, AND wet areas having drought
The Salinity of the ocean will increase due to	Evaporation by the sun
Surface currents carry	Warm water to the poles
The two reasons why cold water may be more dense than warm water	Coldness and Salinity (amount of Salt)
Warm currents are	Surface currents caused by the wind
Warm currents like the Gulf Stream	Carry Warm Water from the equator/tropics to the poles
Warm water currents will	create unusually warm climates for land at a higher / cooler latitude
When there is a difference in air pressure	Then High will move to Low causing WIND
When winds reach 74 amph	A Hurricane has formed

When you get a Tornado
Warning

A tornado has been sighted and you
take cover in a room without windows
