Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_

UPWELLING

* Upwelling occurs off the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ coast of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
* Warm surface waters move offshore (due to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ), then deep, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, (nutrient \_\_\_\_\_\_\_\_\_\_\_\_) water rises up to replace it.
* Creates a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ environment for ocean life



EL NINO

* Means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because it starts in Peru around Christmas time
* Happens when the eastern \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ocean warms to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ degrees Fahrenheit.
* Occurs every \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years (can last a year or two)
* Last one was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_ (VERY STRONG!)
* Some say it is due to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and others say \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Scientists are unsure)
* Scientists have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that record sea SURFACE temperatures, air temperatures, winds and currents to predict El Nino.
	+ PREDICTORS: \_\_\_\_\_\_\_\_\_\_\_\_ trade winds and/or \_\_\_\_\_\_\_\_\_\_\_\_\_ surface temperatures

***Why is there usually LESS hurricanes in the U.S during El Nino years?***

LA NINA

* Means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and occurs after an El Nino year
* Caused when the waters in the eastern \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ocean get COOLER than usual.

***When could upwelling occur?***