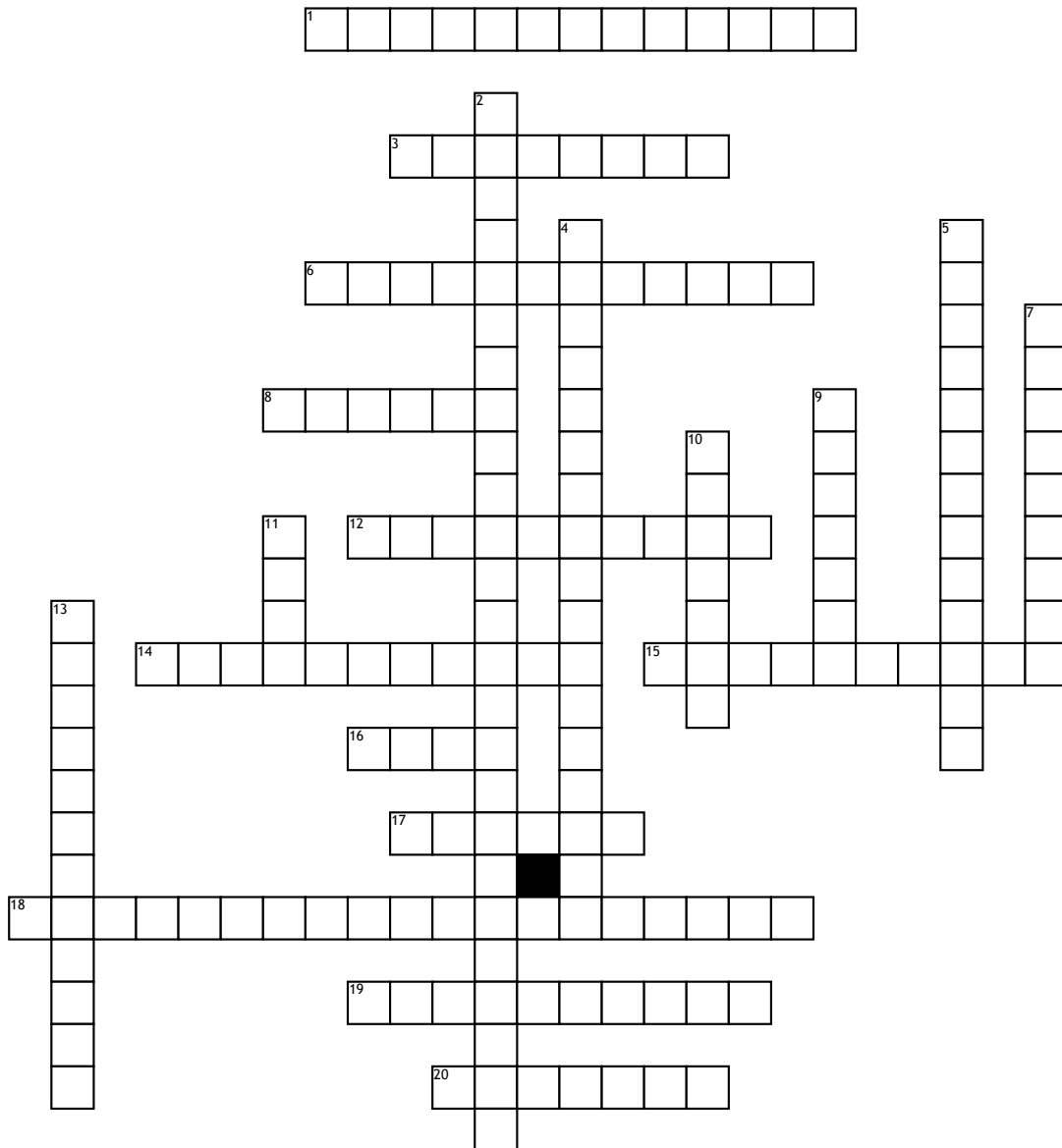


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# La Nina & El Nino



## Across

1. A gradual increase in the overall temperature of the earth's atmosphere generally attributed to the greenhouse effect caused by increased levels of carbon dioxide, chlorofluorocarbons, and other pollutants.
3. Cover or submerge (a place or area) with water.
6. Water above the surface of the land, including lakes, rivers, streams, ponds, floodwater, and runoff.
8. Unusually cold water temps in the pacific caused by strong easterly winds
12. A warm ocean current that flows from the Gulf of Mexico northward through the Atlantic Ocean
14. permanently dark layer of the oceans below the photic zone

15. prevailing winds that blow from west to east between 30 degrees and 60 degrees latitude in both hemispheres
16. a circular motion of water in each of the major ocean basins
17. a warm ocean current of variable intensity that develops after late December along the coast of Ecuador and Peru and sometimes causes catastrophic weather conditions.
18. Deflect to the left towards the equator (Upward) and its Westerlies deflect to the right towards the south pole
19. Portion of the marine bio me that is shallow enough for sunlight to penetrate.
20. A prolonged period of abnormally low rainfall; a shortage of water resulting from this.
- Down**
2. Normal the warm water moves West and the cold water moves East

4. A process whereby the degree of hotness of a body (or medium) changes
5. Rain, snow, sleet, or hail that falls to the ground.
7. A mass of mud and other earthy material that is falling or has fallen down a hillside or other slope.
9. The weather conditions prevailing in an area in general or over a long period.
10. The state of the atmosphere at a place and time as regards heat, dryness, sunshine, wind, rain, etc.
11. A general term used to describe both warm (El Niño) and cool (La Niña) ocean-atmosphere events in the tropical Pacific as well as the Southern Oscillation
13. An ocean bordered by the American continents, Asia, and Australia: largest ocean in the world; divided by the equator into the North Pacific and the South Pacific.