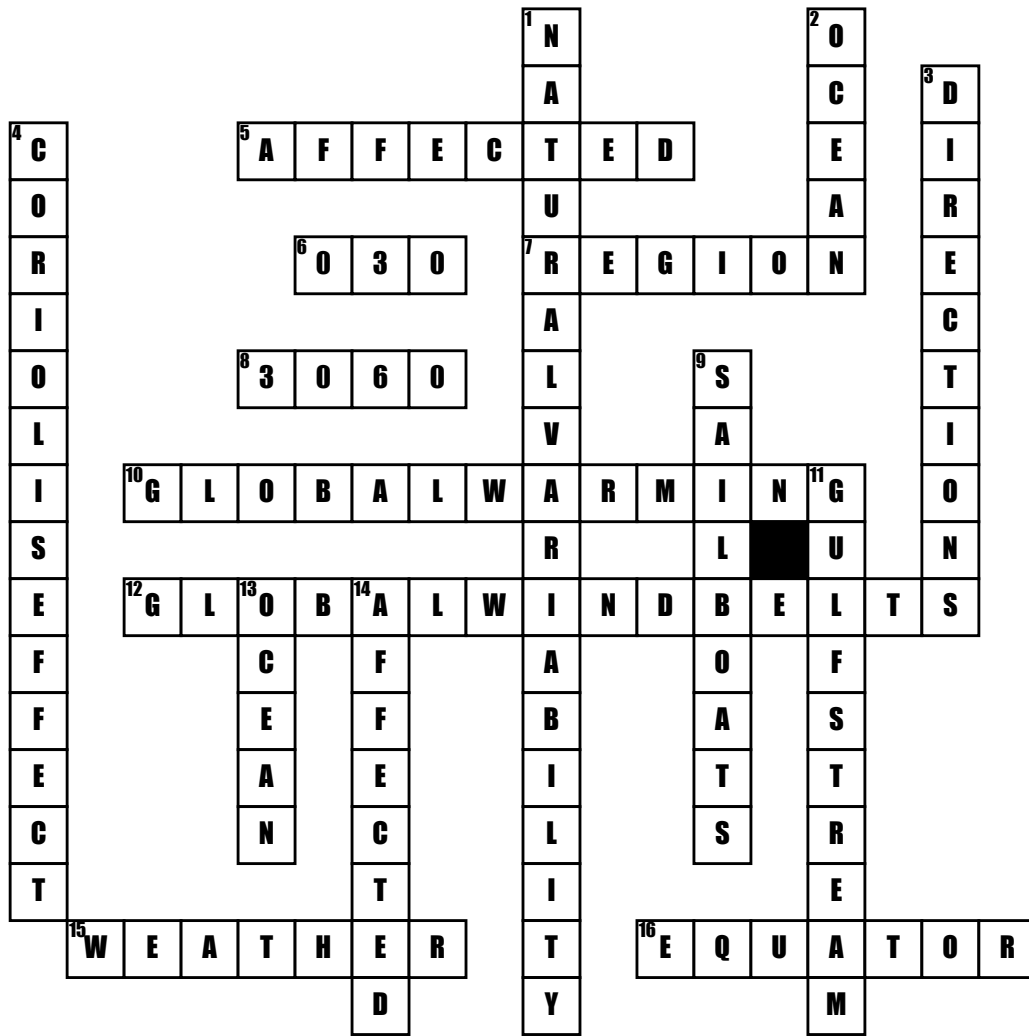


# The Winds / Homework



## Across

5. Surface ocean currents are primarily \_\_\_\_\_ by wind patterns  
 6. Tropical easterlies are located \_\_\_\_\_ degrees latitude in both hemispheres  
 7. The way winds pass each other, and the direction they move, also affects what weather a \_\_\_\_\_ will see on any given day.  
 8. Prevailing Westerlies are located in the \_\_\_\_\_ Latitude in the northern and southern hemispheres  
 10. Scientists have previously found that surface temperatures around the globe have risen over the last 30 years in accord with \_\_\_\_\_

12. This steady exchange of warm and cold air that occurs between the equator and the poles produces \_\_\_\_\_  
 15. The way the air moves affects the \_\_\_\_\_, because winds move heat and cold temperatures as well as moisture from one place to another, transporting conditions from one geographical zone to another.  
 16. As air from the \_\_\_\_\_ rises \_\_\_\_\_  
**Down**  
 1. \_\_\_\_\_ in the Earths atmosphere could be masking the overall effect of global warming in the North Atlantic Ocean  
 2. Trade Winds can push water along the top of the \_\_\_\_\_ and aid in the formation of surface currents.

3. Earths rotation causes the \_\_\_\_\_ of the winds to bend slightly towards the right in the northern hemisphere and toward the left in the southern hemisphere.  
 4. The \_\_\_\_\_ makes storms swirl clockwise in the Southern Hemisphere and counterclockwise in the Northern Hemisphere  
 9. When the wind is strong that's pretty good for \_\_\_\_\_ because they will float.  
 11. One example of a wind-driven circulation affecting an ocean current is the \_\_\_\_\_  
 13. Trade winds can push water along the top of the ocean \_\_\_\_\_ and aid in the formation of surface currents.  
 14. Surface ocean currents are primarily \_\_\_\_\_ by wind patterns.

## Word Bank

Natural Variability  
 Region  
 30 - 60  
 0-30

Directions  
 Weather  
 Affected  
 Sail boats

Global Wind Belts  
 ocean  
 Global warming  
 affected

Ocean  
 Coriolis Effect  
 Gulf Stream  
 Equator