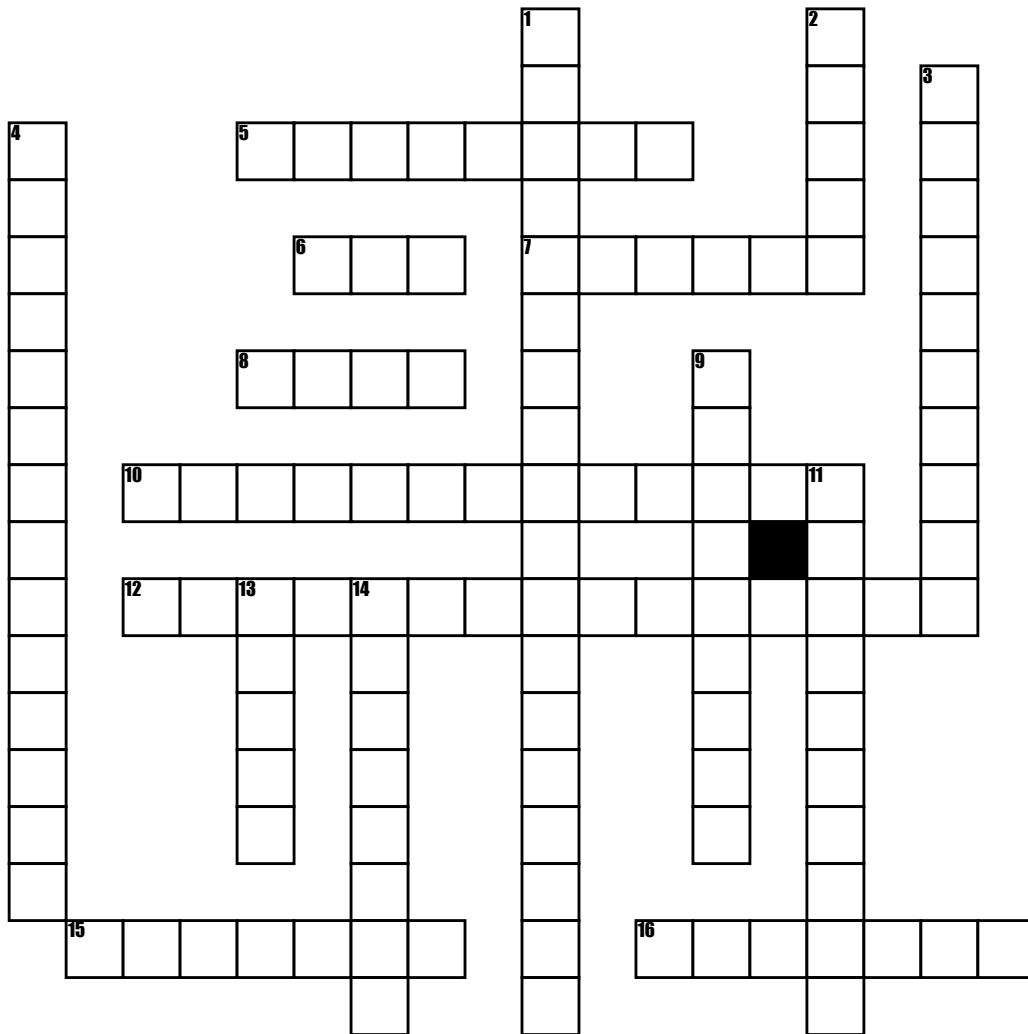


The Winds / Homework



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 Earth's 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. Earth's 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

- | | | | |
|---------------------|----------------|-----------------|----------|
| Sail boats | Ocean | Directions | 0-30 |
| Global Wind Belts | Global warming | 30 - 60 | Affected |
| Natural Variability | Gulf Stream | affected | Region |
| Weather | ocean | Coriolis Effect | Equator |