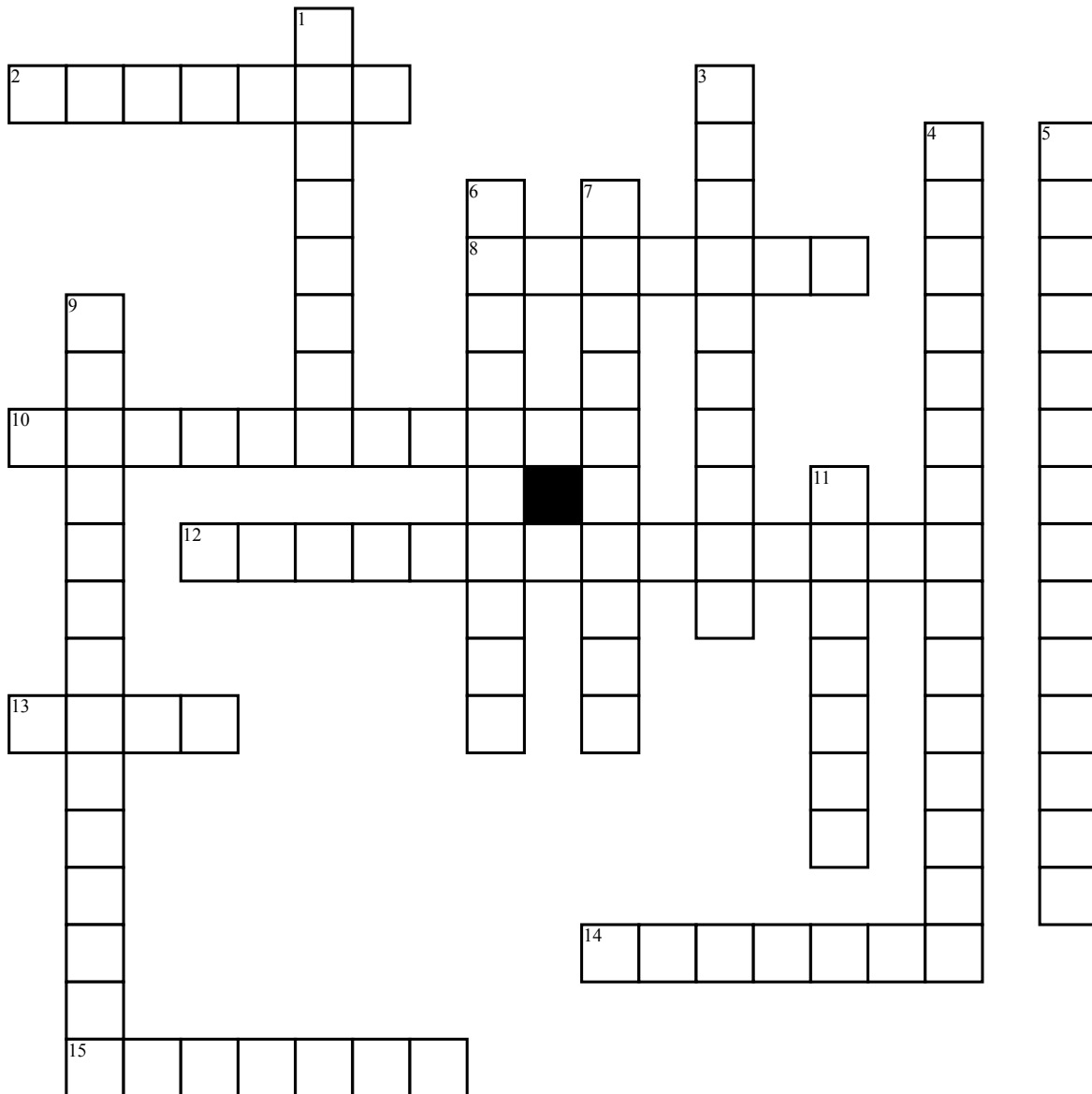


Air in Motion



Across

- 2. the time or date at which the sun crosses the celestial equator
- 8. a body of air with horizontally uniform temperature, humidity, and pressure
- 10. the lowest region of the atmosphere
- 12. a convective zone in a fluid in which upward motion of warmer fluid in the center is balanced by downward motion of cooler fluid.
- 13. where the trade winds of the Northern and Southern Hemispheres come together
- 14. the weather conditions prevailing in an area in general or over a long period

- 15. the four divisions of the year marked by particular weather patterns

Down

- 1. a state or period of inactivity, stagnation, or depression
- 3. The boundary between the polar cell and the ferrel cell around the 60° latitude both North and South
- 4. a localized, very intense low-pressure wind system, forming over tropical oceans and with winds of hurricane force
- 5. an effect whereby a mass moving in a rotating system experiences a force acting perpendicular to the direction of motion and to the axis of rotation.

- 6. a large-scale atmospheric convection cell in which air rises at the equator and sinks at medium latitudes, typically about 30° north or south
- 7. A wind blowing steadily toward the equator from the northeast in the northern hemisphere or the southeast from the Southern Hemisphere
- 9. A belt of calm air and sea occurring in both the north and southern hemispheres between trade winds and the westerlies
- 11. the state of the atmosphere at a place and time