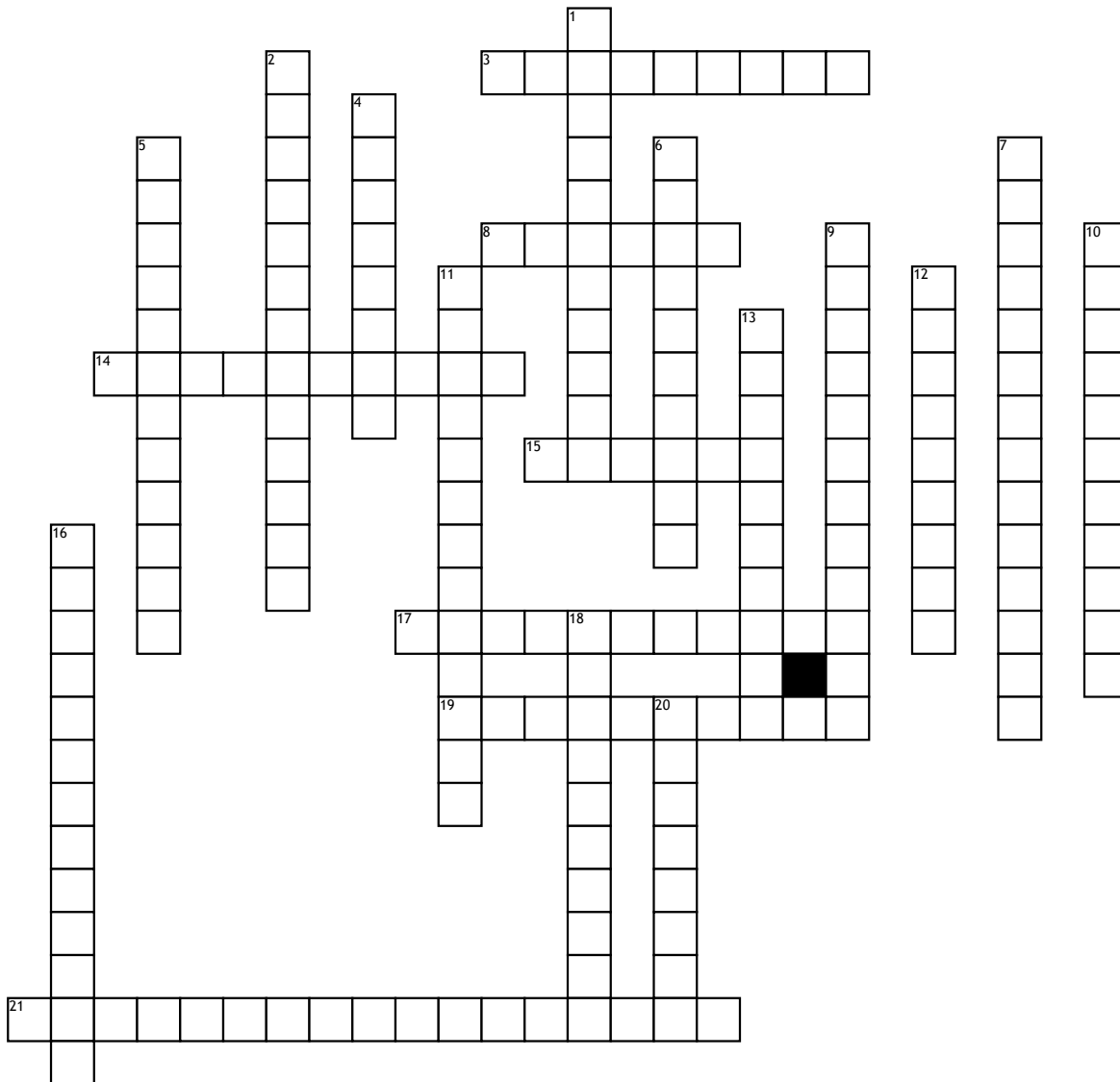


Atmosphere



Across

3. the highest region of the atmosphere, where the air density is so low that a fast-moving air molecule
8. climate pattern that describes the cooling of surface ocean waters along the tropical west coast of South America.
14. process by which heat is transferred by movement of a heated fluid such as air or water.
15. climate pattern that describes the unusual warming of surface waters in the eastern tropical Pacific Ocean
17. the first and lowest layer of the atmosphere
19. the region of the earth's atmosphere between the stratosphere and the exosphere, consisting of several ionized layers and extending from about 50 to 250 miles above the of the earth.
21. boundary between to different air masses, resulting in stormy weather.

Down

1. vast body of air that forms over the interior of a continent, excluding mountainous areas.
2. Tropical air masses that originate over the warm waters of the tropics and gulf of Mexico
4. the amount of water vapor in the air
5. the region of the upper atmosphere extending upward from the tropopause to about 30 miles (50 km) above the earth, characterized by little vertical change in temperature.
6. heat energy is transmitted through collisions between neighboring atoms or molecules.
7. atmospheric system characterized by the rapid inward circulation of air masses about a low-pressure center
9. the region of the upper atmosphere in which temperature increases continuously with altitude, encompassing essentially all of the atmosphere above the mesosphere.

10. a layer of water in an ocean or certain lakes, where the temperature gradient is greater than that of the warmer layer above and the colder layer below.
11. an increase in the earth's average atmospheric temperature that causes corresponding changes in climate and that may result from the greenhouse effect.
12. a body of air covering a relatively wide area, exhibiting approximately uniform properties through any horizontal
13. classification of the earth's atmosphere by chemical properties the region between the ionosphere and the exosphere, extending from about 250-650 miles
16. the outer region of the earth's ionosphere, where the earth's magnetic field controls the motion of charged particles
18. the layer of the upper atmosphere where most atmospheric ozone is concentrated, from about 8 to 30 miles above the earth
20. atmospheric pressure