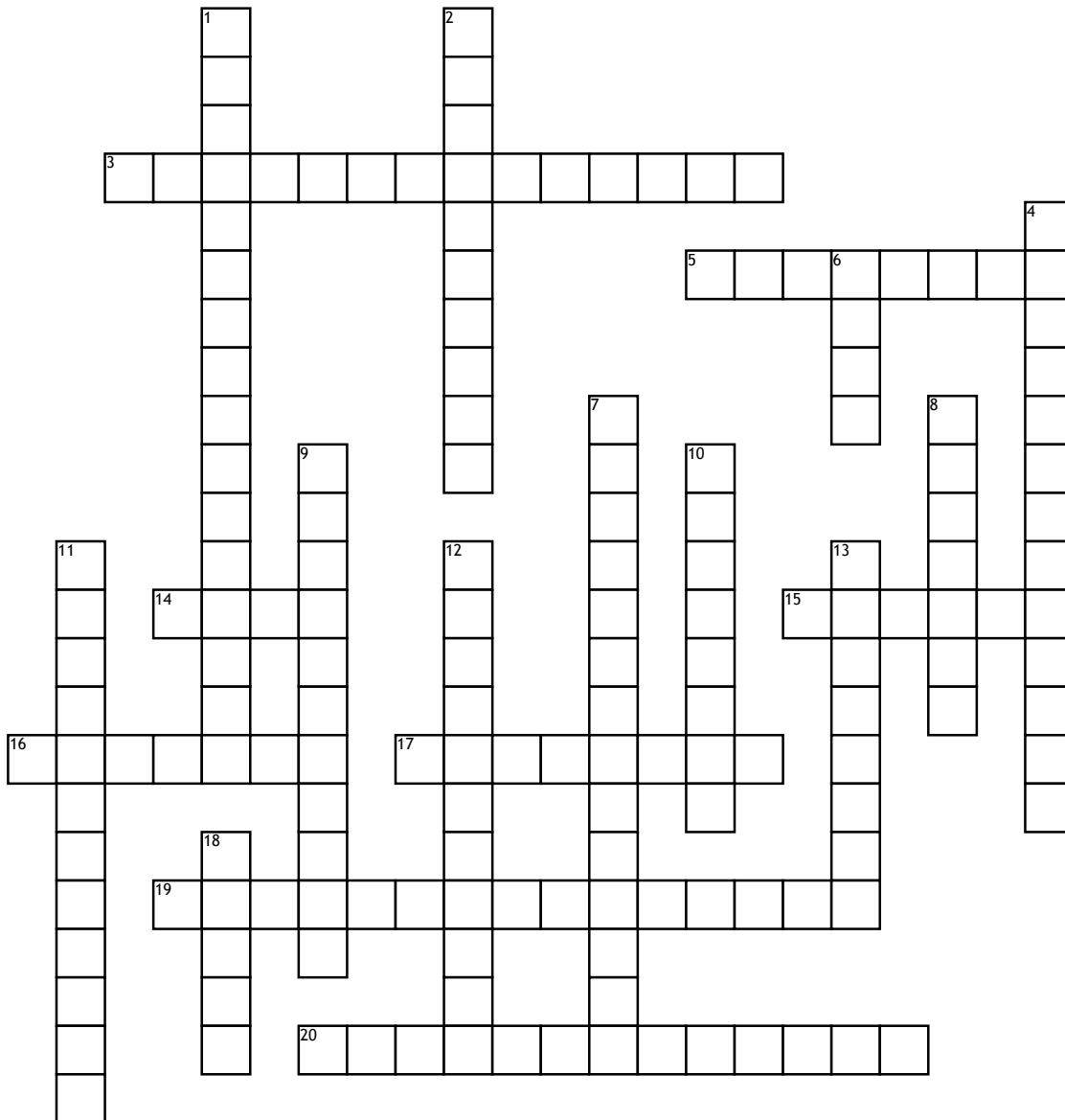


Water



Across

3. Measure of cohesion of water molecules at the surface of a body of water.
5. The ability for a positive and negative charge to exist on the same molecule
14. Compound that forms hydroxide ions (OH⁻) in solution; a solution with a pH above 7
15. Substance that is dissolved in a solution
16. Dissolving substance in a solution
17. Force of attraction between different kinds of molecules
19. Tendency of water
20. Weak attraction between a hydrogen atom and another atom

Down

1. Hydrogen's charge is +1 when it is combined with oxygen to form a water molecule
2. Water has a pH of 7 on the pH scale and is considered neutral.
4. A negatively charged molecule made up of one oxygen bonded to one hydrogen. A high concentration of hydroxide ions is an indicator that the substance is a base.
6. Compound that forms hydrogen ions (H⁺) in solution; a solution with a pH of less than 7
7. Oxygen's charge is -2 when it is combined with hydrogen to form a water molecule
8. Material composed of two or more elements or compounds that are physically mixed together but not chemically combined

9. Relatively constant internal physical and chemical conditions that organisms maintain
10. Attraction between molecules of the same substance
11. A positively charged hydrogen ion (that has lost its electron). A high concentration of hydrogen ions is an indicator that the substance is an acid.
12. A chemical that changes color when in the presence of another chemical. (i.e.: red litmus paper turns blue in the presence of a base)
13. Type of mixture in which all the components are evenly distributed
18. A colorless, transparent, odorless liquid that contains partial charges and is made up of hydrogen and oxygen.