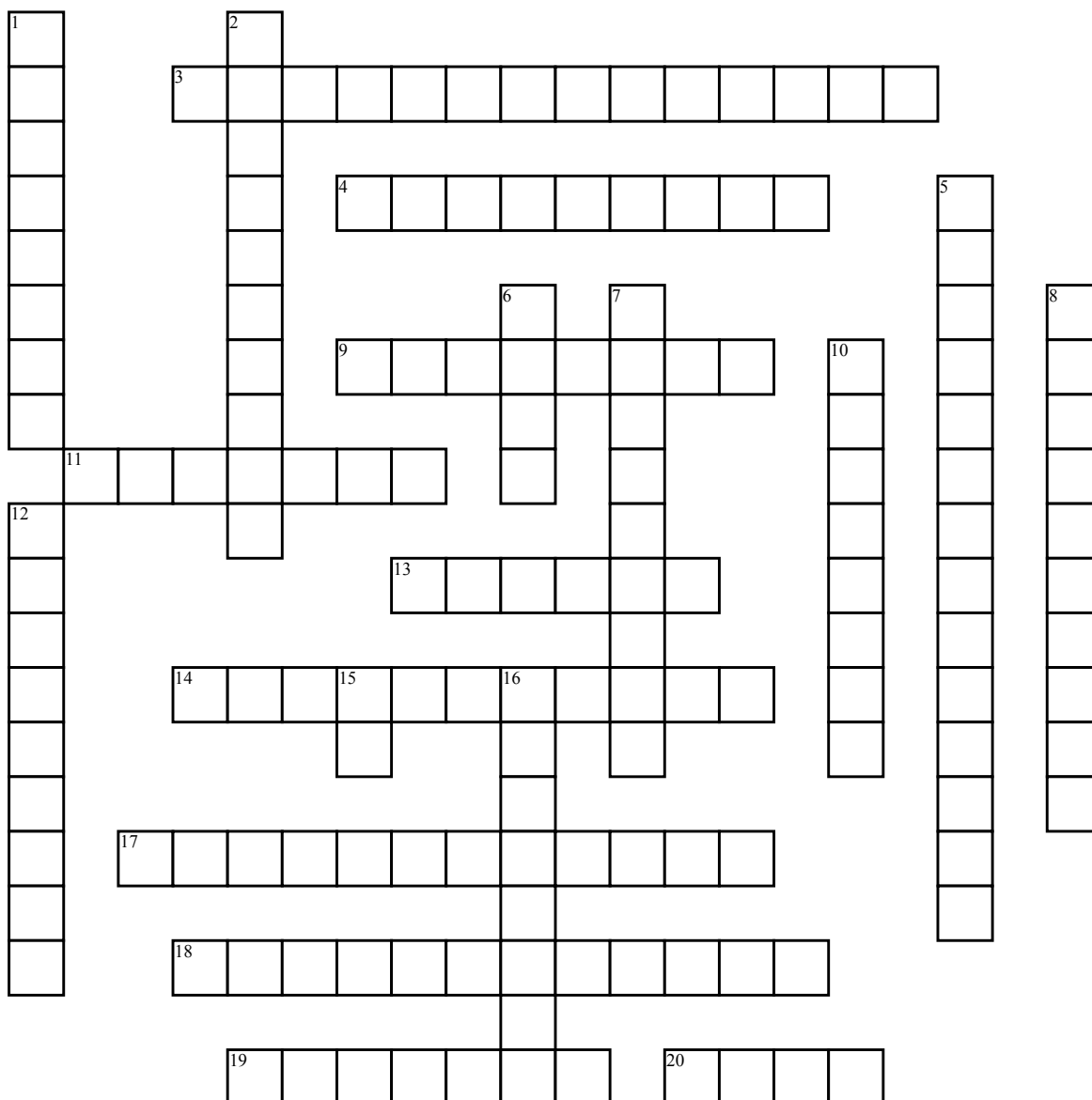


Name: _____

Chapter 7 Vocabulary



Across

- 3.** measurement of the amount of solute that is dissolved in a given quantity of solvent
4. solution containing the maximum amount of solute for a given amount of solvent
9. number of moles of solute per liter of solution
11. an object that does not have a positive or negative charge
13. the minor component in a solution, dissolved in the solvent
14. heterogeneous mixture in which solute-like particles settle out of a solvent-like phase some time after their introduction
17. the ion H_3O^+ , consisting of a protonated water molecule and present in all aqueous acids
18. a general process in which molecules separate or split into smaller particles such as atoms, ions or radicals, usually in a reversible manner

- 19.** the liquid in which a solute is dissolved to form a solution
20. a chemical substance that neutralizes alkalis, dissolves some metals, and turns litmus red; typically, a corrosive or sour-tasting liquid of this kind

Down

- 1.** property of a solution and is defined as the number of moles of solute per kilogram of solvent
2. the maximum amount of solute dissolved in a solvent at equilibrium
5. solution which contains more solute than it can theoretically hold
6. substances that, in aqueous solution, are slippery to the touch, taste astringent, change the color of indicators, react with acids to form salts

- 7.** technique where a solution of known concentration is used to determine the concentration of an unknown solution
8. is the process by which an atom or a molecule acquires a negative or positive charge by gaining or losing electrons to form ions, often in conjunction with other chemical changes
10. a homogeneous, noncrystalline substance consisting of large molecules or ultramicroscopic particles of one substance dispersed through a second substance
12. a substance that undergoes distinct observable change when the conditions of its solution change
15. measure of hydrogen ion concentration; a measure of the acidity or alkalinity of a solution
16. a liquid mixture in which the solute is uniformly distributed within the solvent