Mixtures and Pure Substances

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|  |  |  |  |  |  |  | 2  C | O | N | C | E | N | T | R | A | T | E | D | S | O | L | U | T | I | O | N |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 3  S | O | L | U | B | I | L | I | T | Y |  |  |  |  |  |  |  |  |
|  |  | 4  D |  |  |  |  |  |  |  |  |  |  |  |  | R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | I |  |  |  |  |  |  |  |  | 5  S |  |  |  | A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | L |  |  |  |  | 6  U | N | S | A | T | U | R | A | T | E | D | S | O | L | U | T | I | O | N |  | 7  F |  |  |
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|  |  | T |  |  |  | 8  S |  |  |  |  | E |  |  |  | D |  | 9  M |  |  | 10  S |  |  |  |  |  |  | L |  |  |
|  |  | E |  |  | 11  H | O | M | O | G | E | N | E | O | U | S |  | 12  I | N | S | O | L | U | B | L | E |  | T |  |  |
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|  | 13  C | O | M | P | O | U | N | D |  |  | T |  | 14  D | I | L | U | T | E |  | U |  | 15  D |  |  |  |  | A |  |  |
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|  |  | U |  |  |  | L |  | 16  S | U | P | E | R | 17  S | A | T | U | R | A | T | E | D | S | O | L | U | T | I | O | N |
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|  |  | O |  |  |  |  |  |  |  |  |  |  | V |  | N |  | 18  M |  |  |  |  | L |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20  P | U | R | E | S | U | B | S | T | A | N | C | E |  |  |  |
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| **Across**  **2.** A solution that contains a lot of solute  **3.** The maximum amount of a particular solute that can be dissolved in particular solvent at a given temperature  **6.** A solution in which more solute can be dissolved at a given temperature  **11.** A material having only one set of properties  **12.** When a substance is not able to dissolve in a solvent  **13.** A mixture composed of two or more separate elements  **14.** To weaken the strength of a solution by increasing the amount of solvent  **16.** A solution in which heat has been used to dissolve more solute than a solution could normally dissolve  **19.** A mixture made up of parts that retain their own properties  **20.** A material that is made up of only one type of particle | **Down**  **1.** A solution in which no more solute can be dissolved at a given temperature  **4.** A solution that contains little solute  **5.** To increase the strength of a solution by increasing the amount of solute  **7.** The act of pouring a mixture through a mesh, in attempts to separate the components of the mixture  **8.** When a solute is able to dissolve in a solvent  **9.** A material made up of at least two different pure substances  **10.** A substance that can be dissolved in a solvent  **15.** The act of a solute completely combining with a solvent to become a solution  **17.** A substance into which a solute may be dissolved  **18.** Anything that takes up space and has mass |