Mixtures and Pure Substances

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 2C |  O |  N |  C |  E |  N |  T |  R |  A |  T |  E |  D |  S |  O |  L |  U |  T |  I |  O |  N |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 3S |  O |  L |  U |  B |  I |  L |  I |  T |  Y |  |  |  |  |  |  |  |  |
|  |  | 4D |  |  |  |  |  |  |  |  |  |  |  |  |  R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  I |  |  |  |  |  |  |  |  | 5S |  |  |  |  A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  L |  |  |  |  | 6U |  N |  S |  A |  T |  U |  R |  A |  T |  E |  D |  S |  O |  L |  U |  T |  I |  O |  N |  | 7F |  |  |
|  |  |  U |  |  |  |  |  |  |  |  |  R |  |  |  |  E |  |  |  |  |  |  |  |  |  |  |  |  I |  |  |
|  |  |  T |  |  |  | 8S |  |  |  |  |  E |  |  |  |  D |  | 9M |  |  | 10S |  |  |  |  |  |  |  L |  |  |
|  |  |  E |  |  | 11H |  O |  M |  O |  G |  E |  N |  E |  O |  U |  S |  | 12I |  N |  S |  O |  L |  U |  B |  L |  E |  |  T |  |  |
|  |  |  S |  |  |  |  L |  |  |  |  |  G |  |  |  |  O |  |  X |  |  |  L |  |  |  |  |  |  |  R |  |  |
|  | 13C |  O |  M |  P |  O |  U |  N |  D |  |  |  T |  | 14D |  I |  L |  U |  T |  E |  |  U |  | 15D |  |  |  |  |  A |  |  |
|  |  |  L |  |  |  |  B |  |  |  |  |  H |  |  |  |  U |  |  U |  |  |  T |  |  I |  |  |  |  |  T |  |  |
|  |  |  U |  |  |  |  L |  | 16S |  U |  P |  E |  R | 17S |  A |  T |  U |  R |  A |  T |  E |  D |  S |  O |  L |  U |  T |  I |  O |  N |
|  |  |  T |  |  |  |  E |  |  |  |  |  N |  |  O |  |  I |  |  E |  |  |  |  |  S |  |  |  |  |  O |  |  |
|  |  |  I |  |  |  |  |  |  |  |  |  |  |  L |  |  O |  |  |  |  |  |  |  O |  |  |  |  |  N |  |  |
|  |  |  O |  |  |  |  |  |  |  |  |  |  |  V |  |  N |  | 18M |  |  |  |  |  L |  |  |  |  |  |  |  |
|  |  |  N |  |  |  |  |  |  |  |  |  |  |  E |  |  |  |  A |  |  |  |  |  V |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  N |  | 19H |  E |  T |  E |  R |  O |  G |  E |  N |  E |  O |  U |  S |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  T |  |  |  |  T |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 20P |  U |  R |  E |  S |  U |  B |  S |  T |  A |  N |  C |  E |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  R |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **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 |