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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Mixtures and Solutions

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | 1C |  |  |  |  |  |  |  |  |  |  | 2M |  |  |  |  |  |  |  |  | 3M |  |  |  |  |  |  |
|  |  |  |  H |  |  |  |  |  |  |  |  |  |  |  O |  |  |  |  |  |  |  |  |  A |  |  |  |  |  |  |
|  |  |  |  E |  |  |  |  |  |  |  |  | 4M |  E |  L |  T |  I |  N |  G |  P |  O |  I |  N |  T |  |  |  |  |  |  |
|  |  |  |  M |  |  |  |  |  |  |  |  |  |  |  E |  |  |  |  |  |  |  |  |  T |  |  |  |  |  |  |
|  | 5B |  O |  I |  L |  I |  N |  G |  P |  O |  I |  N |  T |  |  C |  | 6B |  |  |  |  |  |  |  E |  |  |  |  |  |  |
|  |  |  |  C |  |  |  |  |  |  |  |  |  |  |  U |  |  O |  |  |  |  |  |  |  R |  |  | 7S |  |  | 8S |
|  |  |  |  A |  |  |  |  |  |  |  | 9N |  U |  C |  L |  E |  U |  S |  |  |  | 10T |  |  |  |  |  O |  |  |  U |
|  |  |  |  L |  |  |  |  |  |  |  |  |  |  |  E |  |  Y |  | 11D |  |  |  H |  |  |  |  |  L |  |  |  B |
|  |  |  |  C |  |  |  |  |  |  |  | 12V |  |  |  |  |  A |  |  I |  |  |  E |  |  |  |  |  U |  |  |  L |
|  | 13S |  |  H |  |  |  |  |  |  | 14C |  O |  M |  P |  O |  U |  N |  D |  S |  | 15P |  R |  O |  D |  U |  C |  T |  S |  |  I |
|  |  T |  |  A |  |  |  | 16F |  |  |  |  L |  |  |  |  |  C |  |  T |  |  |  M |  |  |  |  |  I |  |  |  M |
|  |  A |  |  N |  |  |  |  R |  | 17A |  |  U |  |  |  |  |  Y |  |  I |  |  | 18A |  T |  O |  M |  |  O |  |  |  A |
|  |  T |  |  G |  | 19P |  |  E |  |  L |  |  M |  |  | 20C |  |  |  |  L |  |  |  L |  |  |  |  |  N |  |  |  T |
|  |  E |  |  E |  |  H |  |  E |  |  L |  |  E |  |  |  O |  | 21S |  O |  L |  U |  T |  E |  | 22E |  |  |  |  |  |  I |
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| 23S |  O |  L |  U |  B |  I |  L |  I |  T |  Y |  |  | 24S |  O |  L |  V |  E |  N |  T |  |  |  P |  | 25E |  L |  E |  T |  R |  O |  N |
|  |  F |  |  |  |  C |  |  N |  |  |  |  |  |  |  I |  |  |  |  I |  |  |  A |  |  M |  |  |  |  |  |  |
|  |  M |  |  |  |  A |  |  G |  |  | 26P |  R |  O |  T |  O |  N |  |  |  O |  |  |  N |  |  E |  |  |  |  |  |  |
|  |  A |  |  |  |  L |  |  P |  |  |  |  |  |  |  D |  |  |  |  N |  |  |  S |  |  N |  |  | 27W |  |  |  |
|  |  T |  |  |  |  C |  |  O |  | 28M |  | 29M |  A |  S |  S |  | 30E |  |  |  | 31M |  I |  X |  T |  U |  R |  E |  |  |  |
|  |  T |  |  |  |  H |  |  I |  |  E |  |  |  |  |  |  |  V |  |  |  |  |  O |  |  |  |  |  I |  |  |  |
|  |  E |  |  | 32M |  A |  G |  N |  E |  T |  I |  C |  A |  T |  T |  R |  A |  C |  T |  I |  O |  N |  |  |  |  |  G |  |  |  |
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|  |  |  |  |  |  G |  |  |  |  L |  | 33N |  E |  U |  T |  R |  O |  N |  | 34P |  E |  R |  C |  I |  P |  I |  T |  A |  T |  E |
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|  |  |  |  |  |  | 35T |  H |  E |  R |  M |  A |  L |  C |  O |  N |  T |  R |  A |  C |  T |  I |  O |  N |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36D |  E |  N |  S |  I |  T |  Y |  |  |  |  |  |  |  |  |  |

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| **Across****4.** It is when a solid turns into a liquid.**5.** The particular temperature for a substance at which it changes state from a liquid to a gas.**9.** The center of an atom that has the most of its mass.**14.** A substance that is formed by the chemical combination of two or more elements and that acts like a single substance.**15.** A substance at the end of a chemical reaction of two substances.**18.** The smallest unit of an element that retains the properties of that element.**21.** A substance that is dissolved by another substance to form a solution.**23.** The maximum amount of substance that can be dissolved by another substance**24.** A substance that dissolves one or more other substances to form a solution.**25.** A particle in the space outside the nucleus of an atom that carries one unit of negative charge.**26.** A particle within the nucleus of an atom that carries one unit of positive electric charge.**29.** The amount of matter in a solid, liquid, or gas.**31.** A physical combination of two or more substances that are blended together without forming a new substance.**32.** A substance that can attract and repel**33.** A particle in a nucleus of an atom that has no net electric charge.**34.** A solid formed by a chemical.**35.** The contraction of matter caused by a change in heat**36.** The amount of matter in a given volume. | **Down****1.** A change in matter that occurs when atoms link together in a new way, creating a new substance different from the original substance.**2.** A particle that contains more than one atom joined together.**3.** Any solid, liquid, gas that has mass and can take up space.**6.** The upward push of a liquid or gas on an object.**7.** A mixture of substances that are blended so completely that the mixture looks the same everywhere.**8.** The process of changing directly from a solid to gas without first becoming a liquid.**10.** The expansion of matter caused by a change in heat.**11.** The process of separating the parts of a mixture by evaporation or condensation.**12.** The amount of space an object can take up.**13.** When a solid, liquid, or gas changes state.**16.** It is when a liquid turns into a solid when temperature changes.**17.** A solution of a metal and and at least one other solid which is often also a metal.**19.** A change of matter in size, shape, or state without change in identity**20.** A type of mixture in which the particles of one material are scattered through another and block the passage of light without settling out.**22.** A pure substance that cannot be broken down into any simpler substance through chemical reactions.**27.** a measure on how gravity pulls on an object**28.** Any group of elements that conducts heat and electricity, has a shiny luster, and is flexible. **30.** It is when a particle leaves a liquid and turns into a gas |