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

States of Matter

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1S |  L |  I |  D |  E |  | 2S |  | 3G | 4L |  | 5F | 6S | 7C |  |
|  |  |  |  |  |  |  P |  |  A |  I | 8M |  A |  T |  O |  |
|  | 9W |  |  | 10F |  |  R |  |  S |  Q |  E |  R |  A |  N | 11E |
|  |  A |  | 12G |  A |  S |  E |  S |  |  U |  L |  T |  T |  D |  V |
| 13A |  T |  O |  M |  S |  |  A |  | 14S |  I |  T |  H |  E |  E |  A |
|  |  E |  |  |  T |  |  D |  |  O |  D |  I |  E |  S |  N |  O |
|  |  R |  |  |  E |  |  |  |  L |  |  N |  R |  O |  S |  P |
|  |  V |  | 15F |  R |  E | 16E |  Z |  I |  N |  G |  |  F |  A |  R |
|  |  A |  |  |  |  |  X |  |  D |  |  | 17S |  M |  T |  A |
| 18S |  P |  A |  C |  E |  |  P |  |  |  |  |  L |  A |  I |  T |
|  |  O |  |  | 19H |  E |  A |  T |  |  |  |  O |  T |  O |  I |
|  |  R |  |  |  |  |  N |  |  |  |  |  W |  T |  N |  O |
|  |  | 20O |  N |  E |  |  D |  | 21T |  H |  R |  E |  E |  |  N |
|  |  |  |  |  |  |  |  |  |  |  |  R |  R |  |  |
|  |  |  |  | 22S |  O |  L |  I |  D |  S |  |  |  |  |  |

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| **Across****1.** The particles in liquids \_\_\_\_\_ past each other.**12.** In \_\_\_\_\_, atoms move the fastest.**13.** The basic building blocks of matter.**15.** The change in a state of matter from a liquid to a solid.**18.** A solid always takes up the same amount of this.**19.** You can change the state of matter by either adding or subtracting \_\_\_\_\_.**20.** The particles in a solid state move around \_\_\_\_ point.**21.** The number of states of matter.**22.** The particles in \_\_\_\_\_\_ move back and forth in place. | **Down****2.** Matter in a gas state will \_\_\_\_\_ out to fill its container.**3.**  A state of matter that has no fixed shape and no fixed volume. **4.** A state of matter that has no fixed shape but that has a definite volume.**5.** Particles in a gas are \_\_\_\_\_ apart than the particles in a liquid.**6.** The three forms of matter (liquid, solid, gas). (3 words)**7.** The change in a state of matter from a gas to a liquid.**8.** The change in a state of matter from a solid to a liquid.**9.** The gas state of water.**10.** If you add heat to matter, the atoms that make up the matter will begin to move \_\_\_\_\_.**11.** The change in a state of matter from a liquid to a gas.**14.** A state of matter that has a definite shape and a definite volume.**16.** Gases \_\_\_\_\_ to fill whatever space is available to them.**17.** If you subtract heat from matter, the atoms that make up the matter will begin to move \_\_\_\_\_. |