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

States of Matter

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