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

States of Matter

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

|  |  |
| --- | --- |
| **Across****2.** The pressure caused by the collisions of particles in a vapor with the walls of a container**3.** A reversable physical change that occurs when a substanve changes states of matter**6.** The energy a substance must absorb into change from solid to liquid**9.** A description of change in which a system absorbs energy from it's surroundings**13.** The process that changes a substance from liquid to gas based on temperature**15.** The state of matter in which ba material has neither a definite shape or a definite volume**16.** The state of matter in which materials have a definite shape and a definite volume**17.** The direct proportion of the volume of a gas to it's temperature if it is constant**18.** The state of matter in which a material has a definite volume but not a definite shape**19.** A result of force distibuted over an area | **Down****1.** The phase change in which a substance changes from a gas or vapor to a liquid**4.** The phase change in which a substance changes from liquid to gas**5.** The energy a substance must absorb in order to change from solid to liquid**7.** The energy an object has due to it's motion**8.** The inverse relationship between volume and gas**10.** The phase change in which a gas or vapor changes directly into a solid without first changing into a liquid**11.** A description of change in which a system releases energy to it's surroundings**12.** A temperature of zero Kelvins**14.** The phase change in which a substance changes from a solid to a gas or vapor without changing to a liquid first |