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

properties and changes of matter

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|  |  | 2C |  H |  E |  M |  I |  C |  A |  L |  C |  H |  A |  N |  G |  E |  S |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  P |  |  |  |  |  |  |  |  |  |  |  | 3S |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  O |  |  |  |  |  |  |  |  |  |  |  |  O |  | 4H |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | 7S |  |  T |  |  |  |  | 8M |  |  |  |  |  B |  |  T |  |  E |  |  |  |  |  H |  |  |
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|  |  |  |  |  |  | 20H |  O |  M |  O |  G |  E |  N |  E |  O |  U |  S |  M |  I |  X |  T |  U |  R |  E |  |  |  |  |  |  |
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| **Across****2.**  when any state of matter changes its substance that cannot be reversible**10.** States that mass is neither created nor destroyed during a chemical reaction but is conserved**13.**  how strongly gravity pulls on an object**14.** A uniform mixture that may contain solids, liquids, or gases;also called a homogeneous mixture**15.** the gaseous state of water**17.** the chnage from a state from a solid to a liquid**18.** A physical blend of two or more pure substances in any proportion in which each substance retains its individual properties; can be separated by physical means**19.** the characteristics of a substance.**20.** One that has a uniform composition throughout and always has a single phase; also called a solution | **Down****1.** state a substance reaches when it changes from a solid or liquid to a gas either at room temperature or boiling temperature.**3.** one substance is mixed with another and dissolves in the substance**4.** One that does not have a uniform composition and in which the individual substance remain distinct**5.** A form of matter that has a uniform and unchanging composition; also known as a pure substance**6.** when any state of matter changes, but can come back to its original shape**7.** matter are observable in everyday life: solid, liquid, gas, and plasma**8.** the amount of matter in an object**9.** when the farthest particles on the surface of the liquid escape into the air and become gas**11.** is anything that takes up space**12.** the measure of how tightly matter is packed in an object, whether how an object will float or sink, and is a combination of mass and volume**16.** the space it takes up an object/ can be measured |