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

Properties and Changes in Matter

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|  |  |  |  |  |  |  |  |  | 5R |  E |  A |  C |  T |  I |  V |  I |  T |  Y |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 10R |  A |  D |  I |  A |  T |  I |  O |  N |  |  I |  |  |  | 11V |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  N |  |  |  |  |  |  |  V |  |  N |  |  |  |  O |  | 12M |  |  |  |  |  |
|  |  |  |  |  |  | 13P |  L |  A |  S |  M |  A |  |  |  | 14W |  E |  I |  G |  H |  T |  |  L |  |  A |  |  |  |  |  |
|  |  |  |  | 15G |  |  |  |  |  I |  |  | 16D |  |  |  |  C |  |  P |  |  |  |  U |  |  S |  |  |  |  |  |
|  |  |  | 17L |  A |  W |  O |  F |  C |  O |  N |  S |  E |  R |  V |  A |  T |  I |  O |  N |  O |  F |  M |  A |  S |  S |  |  |  |  |
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| **Across****2.** Substances that change or react.**4.** A definite volume but not a definite shape.**5.** Describes how easily a substance reacts with other substances.**6.** Flow easily and mix together easily. (gas & liquid)**8.** When two or more substances are combined and changed into new substances with new properties. **10.** The transfer of thermal energy by electromagnetic waves.**13.** A hot mixture of ions and electrons **14.** A measure of the force, or pull, on an object due to gravity.**17.** Matter can be neither created or destroyed.**19.** The idea that particles are made up of matter and are constantly moving.**20.** Transfer of thermal energy through particles of matter that are in direct contact.  | **Down****1.** Do not react with other substances.**3.** The process that added thermal energy causes most substances to increase size, or expand.**7.** The temp at which changes between solid in liquid that make it solid melt into a liquid or make a liquid freeze into a solid.**9.** The transfer of thermal energy by the motion of fluids (gas & liquid)**11.** The amount of space an object takes up.**12.** The amount of matter in an object.**15.** Has neither a definite shape nor definite volume.**16.** The amount of mass per unit volume of a given substance.**18.** Definite shape and volume. |