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

Heat and Energy Transfers

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2V |  |  |  E |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 3K |  | 4E |  V |  A |  P |  O |  R |  A |  T |  I |  O |  N |  |  N |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  I |  |  |  |  |  |  |  |  |  |  |  L |  |  |  S |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  N |  |  |  |  | 5W |  |  |  | 6T |  |  U |  |  |  I |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  E |  |  |  |  |  A |  | 7G |  |  H |  |  M |  |  |  T |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  T |  | 8T |  H |  E |  R |  M |  A |  L |  E |  N |  E |  R |  G |  Y |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  I |  |  |  |  |  M |  |  S |  |  R |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  C |  |  |  |  |  E |  |  |  |  M |  |  |  |  | 9C |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  T |  | 10M |  |  |  R |  | 11C |  |  O |  |  |  |  |  O |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 12H |  E |  A |  T |  |  | 13C |  O |  L |  D |  E |  R |  |  |  N |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  E |  |  S |  |  | 14C |  |  N |  |  Y |  |  |  |  |  D |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  Y |  | 17L |  |  |  V |  |  C |  |  M |  |  U |  |  |  S |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 18S |  O |  L |  I |  D |  |  E |  |  T |  |  I |  |  L |  |  |  A |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 19R |  A |  D |  I |  A |  T |  I |  O |  N |  |  |  |  |  |  |  O |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  T |  |  | 20C |  O |  N |  D |  U |  C |  T |  O |  R |  |  |  |  |  |  |  |  |
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|  |  |  |  |  | 21T |  E |  M |  P |  E |  R |  A |  T |  U |  R |  E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Across****4.** Adding heat to a liquid causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**8.** Measures the total kinetic energy of particles**12.** The transfer of energy from a warmer object to a colder one**13.** \_\_\_\_\_\_\_\_\_ objects are more dense**16.** A material that does not transfer heat well**18.** State of matter that has tightly packed particles that vibrate**19.** How thermal energy transfers as electromagnetic waves**20.** A material that transfers heat well**21.** Measures the average kinetic energy of particles | **Down****1.** The comparison of how much matter there is in a certain amount of space**2.** The amount of space an object takes up**3.** Theory that states all particles that make up matter are constantly in motion**5.** \_\_\_\_\_\_\_\_\_\_\_ objects are less dense**6.** Study of heat movement**7.** State of matter that has spread out particles that move freely and quickly**9.** Removing heat from a gas causes \_\_\_\_\_\_\_\_\_\_\_\_\_**10.** The amount of matter in an object**11.** How thermal energy transfers between solid objects touching**14.** How thermal energy transfers through liquids and gases**15.** Unit used to measure energy**17.** State of matter that has packed particles that move around |