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

Energy and Heat

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

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| **Across****4.** a change from one form of energy to another**9.** a type of heat transfer that only occurs in fluids, such as water and air**11.** the energy that results from the motion of an object**12.** the transfer of energy by electromagnetic waves**13.** a temperature scale scientists use**14.** the lowest temperature possible (0 Kelvins)**15.** transfers heat from one particle of matter to another within an object or between 2 objects**16.** the transfer of thermal energy from a warmer object to a cooler object**17.** the total kinetic and potential energy of all the particles in an object | **Down****1.** a temperature scale the US uses**2.** the temperature at which a liquid boils**3.** the scientific principle that energy is neither lost nor created**5.** the energy that results from the position or shape of an object**6.** the ability to do work or cause change**7.** a temperature scale most countries use**8.** the measure of how hot or cold something is compared to a freezing point**10.** the temperature at which a solid freezes |