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

Endothermic and Exothermic Reactions

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | 1E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  O |  |  |  |  |  |  |  |  |  |  |  | 2I |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  M |  |  |  |  |  |  |  |  |  | 3N |  |  N |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  E |  |  |  |  |  |  |  |  |  |  E |  |  M |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  A |  |  |  |  | 4E |  |  |  |  |  W |  |  E |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  N |  |  |  |  |  X |  |  |  |  |  S |  |  A |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  S |  |  |  |  |  O |  |  |  |  |  U |  |  N |  |  |  |  |  |  |  |
|  |  |  |  | 5P |  R |  O |  D |  U |  C |  T |  S |  |  |  |  T |  |  |  |  |  B |  |  S |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  O |  |  |  |  |  H |  |  |  |  |  S |  |  G |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 6R |  E |  L |  E |  A |  S |  E |  D |  |  |  |  T |  |  O |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  X |  |  |  |  |  R |  |  |  |  |  A |  |  E |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  I |  |  |  |  |  M |  |  | 7L |  |  N |  |  S |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 8E |  N |  D |  O |  T |  H |  E |  R |  M |  I |  C |  R |  E |  A |  C |  T |  I |  O |  N |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  , |  |  |  |  |  C |  |  |  S |  |  E |  |  N |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  L |  |  | 9M |  O |  R |  E |  |  S |  |  |  |  T |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  I |  |  |  |  |  E |  |  |  |  |  |  |  O |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  K |  |  |  |  |  A |  |  | 10B |  O |  N |  D |  S |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 11E |  N |  E |  R |  G |  Y |  |  T |  |  |  |  |  |  |  M |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  X |  |  |  |  |  I |  |  |  |  |  |  |  E |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 12B |  U |  R |  N |  I |  N |  G |  W |  O |  O |  D |  |  |  |  |  |  T |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  T |  |  |  |  |  N |  |  |  |  |  |  |  H |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 13V |  I |  N |  E |  G |  A |  R |  A |  N |  D |  B |  A |  K |  I |  N |  G |  S |  O |  D |  A |  |  |  |
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| **Across****5.** Chemical reactions involve forming new bonds on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ side**6.** Energy is \_\_\_\_\_\_\_\_\_\_\_\_ when new bonds form in the products**8.** This type of reaction takes in heat, to decrease the temperature \_\_\_\_\_\_\_\_\_**9.** In an endothermic reaction, it takes \_\_\_\_\_\_\_ to break bonds**10.** chemical reactions involve breaking \_\_\_\_\_\_\_\_**11.** It takes \_\_\_\_\_\_\_\_\_\_\_\_ to break bonds**12.** An example of an exothermic reaction is \_\_\_\_\_\_\_\_\_**13.** An example of an endothermic reaction is \_\_\_\_\_\_\_\_\_\_ | **Down****1.** How can you remember what exothermic means**2.** How can you remember what endothermic means? **3.** Chemical reactions occur when a \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ is formed through a reaction**4.** This type of reaction gives off heat, to increase the temperature\_\_\_\_\_\_\_\_\_**7.** In an exothermic reaction, it takes \_\_\_\_\_\_\_\_ energy to break bonds of the reactants |

   Exothermic Reaction       Endothermic Reaction       Burning wood       vinegar and baking soda       bonds       products       energy       released       less       more       new substance       in means goes into something       Exo means to exit, like exits heat