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

Conservation of Energy

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

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| **Across**  **3.** Force per unit extension of a spring  **6.** Direction and Size  **9.** Spreading Out of Energy  **10.** A property of a material if it returns to its original shape when stretched.  **11.** This type of energy is not useful.  **12.** Unit for Energy  **13.** Unit For Mass  **14.** What type of energy comes from the ground? | **Down**  **1.** This is another name for the force of gravity.  **2.** Unit for Weight  **4.** Unit for Height  **5.** Type of energy when an object moves.  **7.** A quantity that has magnitude only.  **8.** A reason that energy can wasted |