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

Conservation of energy

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 |  |  |  |  |  |  |  |  |  |  | 2 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  | 4 |  | 5 |  |  |  |
|  |  |  |  |  |  |  | 6 |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 7 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 11 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across**  **7.** this is equal to 1 million Watts  **8.** This is done when energy is transferred  **10.** This quantity is measured in Watts  **11.** This is the unit of force | **Down**  **1.** this number is represented by the letter k in the equation to calculate elastic potential energy  **2.** we calculate this form of energy as 1/2 x m x v2  **3.** This is a measure of the percentage of energy that is usefully transferred  **4.** all wasted energy ends up as this type of energy in the surroundings  **5.** this type of potential energy is stored in objects lifted off the ground  **6.** The principle of conservation of energy states energy can never be created or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **9.** This is the unit of energy |

   work       Joule       destroyed       Newton       gravitational       kinetic       spring constant       heat       efficiency       Power       Megawatt