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Work, Energy, and Power

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|  |  |  |  |  |  | 2G |  R |  A |  V |  I |  T |  A |  T |  I |  O |  N |  A |  L |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  A |  |  | 15F |  R |  I |  C |  T |  I |  O |  N |  |  |  E |  |  C |  |  |  |  N |  |  |  |  |  |
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|  |  |  |  |  |  |  | 20E |  N |  E |  R |  G |  Y |  |  K |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Across****2.** form of energy involved in weighing fruit on a spring energy **3.** a stretched rubber band or a stretched or compressed spring are examples of which potential energy**6.** a push or pull**11.** the sum of an object's potential and kinetic energy**13.** work done in a certain amount of time**15.** the force that opposes motion between two surfaces that are in contact**17.** stored energy**19.** states that energy cannot be created nor destroyed, but only transformed from one form into another**20.** the ability to do work | **Down****1.** friction converts kinetic energy to**4.** the net work done on an object is equal to its change in kinetic and potential energy**5.** energy that is stored in chemical bonds**7.** a roller coaster track is an example of a **8.** friction and air resistance is an example of what type of force**9.** energy of a moving object**10.** the sum of kinetic energy and all forms of potential energy**12.** the gravitation force is called a **14.** SI unit of work**16.** he unit of power equal to one joule of energy transferred in one second**18.** the product of the force exerted on an object and the distance the object moves in the direction of the force |