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

Work and Power

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| 3 |  |  |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  | 5 |  | 6 |
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|  |  |  |  | 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | 14 |  |  |  |  |  |  |  |  |  | 15 |  |  |  |  |  |
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|  |  |  |  | 16 |  |  |  |  |  |  |  | 17 |  |  |  |  |  |  |  |
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| **Across**  **4.** The fixed point the bar rotates around  **9.** Work done by the input force through the input distance  **11.** Consists of two disks each with a different radius  **14.** Distance the output force exerted through  **16.** Slanted surface that moves an object to a different elevation  **19.** The output force times the output distance  **20.** Rate of doing work  **21.** The percentage of the work input that become the work output  **22.** Device that changes the force | **Down**  **1.** The mechanical advantage in the absence of friction  **2.** Product of force through a distance  **3.** Distance that the input force acts  **5.** Force that you put on a machine  **6.** Force exerted by a machine  **7.** Inclined plane wrapped around a cylinder  **8.** Force of 1 N through a distance 1 m  **10.** Equal to 1 J per second  **12.** Equals 746 Watts  **13.** V shaped object made of 2 inclined planes  **15.** The number of times the machine increases the input force  **17.** Consists of a rope that fits into a groove of a wheel  **18.** Ridgin bar to move around a fixed point |

   Input force       Input Distance       Power       work       Horsepower       Machine       AMA       fulcrum       Work Input       Output force       output distance       Work output       screw       IMA       Watt       lever       efficiency       Wheel and axle       inclined plane       wedge       joule       pulley