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

Energy, Motion and Forces

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| K | Z | F | E | T | N | M | **M** | **O** | **T** | **I** | **O** | **N** | R | G | I | N | **T** | I | **E** | V | N | S | K |
| N | J | B | T | L | J | J | S | U | **M** | **H** | **E** | **A** | **T** | Z | W | **H** | R | **G** | A | J | Q | R | **E** |
| **Y** | H | **N** | R | K | E | T | X | **A** | L | **V** | U | R | Q | R | **E** | I | **A** | S | X | C | F | **M** | **N** |
| **G** | C | **O** | **T** | C | U | M | **C** | D | **E** | E | Y | R | Q | **R** | X | **T** | **I** | D | W | K | R | **E** | **E** |
| **R** | **R** | **I** | **E** | X | O | **H** | Z | **C** | O | **Y** | **N** | **Y** | **M** | **N** | **N** | N | I | **N** | **T** | O | **K** | **C** | **R** |
| **E** | **O** | **T** | **M** | D | **I** | R | **T** | C | **G** | **O** | **T** | **A** | L | **A** | **O** | N | P | **H** | **E** | **I** | Q | **H** | **G** |
| **N** | **T** | **A** | **P** | **N** | G | **O** | N | **R** | **I** | **I** | **L** | N | **V** | Z | K | **I** | **E** | G | **N** | **R** | P | **A** | **Y** |
| **E** | **A** | **R** | **E** | U | **R** | Y | **E** | **T** | **C** | **E** | X | **D** | C | R | C | **R** | **T** | **E** | C | **C** | **T** | **N** | **T** |
| **L** | **L** | **E** | **R** | J | R | **N** | **A** | **O** | **N** | L | **A** | D | A | K | **M** | U | **T** | **I** | **O** | X | **R** | **I** | **R** |
| **A** | **U** | **L** | **A** | S | **E** | **I** | **L** | **E** | Q | **L** | F | A | D | **O** | J | **I** | W | **N** | **S** | **E** | E | **C** | **A** |
| **I** | **S** | **E** | **T** | M | **D** | **E** | **R** | Z | **A** | V | A | **E** | **M** | Y | **C** | J | **V** | N | **F** | **O** | F | **A** | **N** |
| **T** | **N** | **C** | **U** | **A** | **V** | **G** | F | **C** | Q | Q | X | **E** | **C** | **E** | Q | **E** | Y | **E** | C | X | **P** | **L** | **S** |
| **N** | **I** | **C** | **R** | S | **Y** | H | **I** | **Y** | J | O | **T** | **E** | **N** | **R** | **C** | Q | **R** | F | **C** | **E** | F | **E** | **F** |
| **E** | Q | **A** | **E** | R | T | **N** | H | **E** | G | **E** | B | **E** | **C** | **T** | **O** | **E** | Q | **O** | H | **E** | D | **N** | **O** |
| **T** | F | M | U | L | **A** | Y | **L** | **L** | **R** | L | **R** | U | **I** | **R** | **N** | **F** | **N** | S | P | **R** | V | **E** | **R** |
| **O** | Z | G | **F** | **H** | **S** | **E** | N | **L** | E | **G** | V | **O** | N | **C** | **O** | **D** | **T** | B | I | **G** | H | **R** | **M** |
| **P** | H | Y | **C** | **U** | **V** | **P** | N | **U** | **Y** | V | **N** | M | **E** | W | **U** | **F** | Z | **E** | A | **E** | E | **G** | **A** |
| K | P | **E** | M | **E** | **L** | C | **E** | **P** | C | X | X | **P** | F | **C** | V | W | E | D | **N** | **D** | Y | **Y** | **T** |
| E | **M** | K | **R** | Y | T | **C** | K | **E** | S | I | **O** | I | **T** | R | H | Z | X | U | X | M | X | P | **I** |
| K | H | O | V | Z | R | C | **R** | H | **D** | **I** | N | **I** | I | B | J | Q | P | X | Q | A | L | F | **O** |
| O | S | E | Y | O | D | H | A | **U** | **N** | C | **O** | M | Q | F | S | F | M | R | O | M | D | I | **N** |
| T | M | N | Y | S | K | O | D | **T** | **M** | **N** | **C** | **A** | **L** | **O** | **R** | **I** | **E** | T | Y | H | Y | E | L |
| **C** | **E** | **N** | **T** | **R** | **I** | **P** | **E** | **T** | **A** | **L** | **A** | **C** | **C** | **E** | **L** | **E** | **R** | **A** | **T** | **I** | **O** | **N** | F |
| E | W | V | L | I | O | **R** | **O** | **T** | **C** | **U** | **D** | **N** | **O** | **C** | L | B | Y | Q | H | Z | H | C | S |

   fulcrum       mechanical advantage       pulley       lever       machine       inertia       net force       force       centripetal acceleration       acceleration       velocity       reference point       position       vector       speed       motion       radiation       convection       calorie       insulator       conductor       conduction       heat       thermal energy       thermometer       degree       temperature       energy transformation       mechanical energy       potential energy       kinetic energy       energy