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

Force and Motion Review

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|  |  |  |  |  |  |  |  | 1  L |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 2  A | C | C | E | L | E | R | A | T | I | O | N |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | W |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 3  G |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | R |  | F |  |  |  |  |  |  |  |  | 4  R |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 5  U | N | B | A | L | A | N | C | E | D | F | O | R | C | E |  |  |  |  |  |  |  |  |  | 6  D |  |  |
|  |  |  |  |  |  | V |  | C |  |  |  |  |  |  |  |  | F |  | 7  B |  |  |  |  |  | 8  L |  | I |  |  |
|  |  |  |  |  |  | I |  | C |  |  |  |  |  |  | 9  I |  | L |  | A |  |  |  |  | 10  M | A | S | S |  |  |
|  |  |  |  |  |  | T |  | E |  | 11  N |  |  |  |  | N |  | E |  | L |  |  |  |  |  | W |  | P |  |  |
|  |  |  |  |  |  | Y |  | L |  | E |  |  | 12  C |  | E |  | C |  | A |  |  |  |  |  | O |  | L |  |  |
|  |  |  |  |  |  |  |  | E |  | T |  |  | A |  | R |  | 13  T | E | N | S | I | O | N |  | F |  | A |  |  |
|  |  |  |  |  |  |  |  | R |  | F |  |  | L |  | T |  | I |  | C |  |  |  |  |  | I |  | C |  |  |
|  |  |  |  |  |  |  | 14  L | A | W | O | F | A | C | T | I | O | N | R | E | A | C | T | I | O | N |  | E |  |  |
|  |  |  |  |  |  |  |  | T |  | R |  |  | U |  | A |  | G |  | D |  |  |  |  |  | E |  | M |  |  |
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|  |  |  |  |  |  |  | 15  M | O | M | E | N | T | U | M |  | 16  V | E | L | O | C | I | T | Y |  | T |  | N |  |  |
|  |  |  |  |  |  |  |  | N |  |  |  |  | S |  |  |  | L |  | R |  |  |  |  |  | I |  | T |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 17  N |  | E |  | C |  |  |  |  |  | A |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 18  F | O | R | C | E |  | 19  S | P | E | E | D |  |  |  |  |  |  |  |  |
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| **Across**  **2.** the rate of change of velocity over time  **5.** a force that is greater in a specific direction than the opposing force  **10.** the amount of matter in an object  **13.** a pulling force  **14.** Newton's 3rd law of motion  **15.** a measure of how difficult it is to stop something  **16.** Speed in a given direction  **18.** A push or a pull  **19.** distance divided by time  **20.** a force resisting the relative motion of surfaces | **Down**  **1.** Newton's second law of motion  **3.** the force a planet exerts on an object  **4.** Isaac Newton created this type of instrument to see into outer space  **6.** difference between final velocity and initial velocity; or direction of distance between 2 points  **7.** A force that is equal in all directions  **8.** Newton's first law of motion  **9.** the tendency of an object to resist a change in motion  **11.** the overall force on an object  **12.** Isaac newton invented this study of mathematics  **17.** the unit of measurement of force |