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

forces and motion

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|  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | 5 |  | 6 |  |  |  |  | 7 |  |
|  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | 13 |  |  |  |  |  | 14 |  |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **2.** the rate at which velocity changes over time  **3.** a quantity that has both size and direction  **8.**  resistance of an object to a change in speed or direction  **9.** speed in a specific direction  **10.** the location of a place or an object  **12.** a force that objects exert on each other because of their masses  **13.** measure of the distance something moves in a given amount of time  **14.** the total overall force acting on an object | **Down**  **1.** reference point a location to which you compare other locations  **4.** the upward force on objects in a fluid  **5.** a force that resists the motion between 2 surfaces in contact  **6.** measurement of two positions  **7.** the change in position over time  **11.** push or pull |