

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Force, weight, motion and mass

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|---|--------------------|
| 1. Equal but opposite forces are _____  | A. Kinetic         |
| 2. An _____ force may speed an object up, slow it down or change the direction in which it moves. | B. position        |
| 3. The force of gravity pulling an object to the ground is called the object's _____              | C. reference point |
| 4. The force that pulls the moon and keeps it in orbit is called _____                            | D. motion          |
| 5. The scientific unit of force is the _____  | E. Inertia         |
| 6. A force that opposes the motion of an object   | F. gravity         |
| 7. The tendency of objects to resist a change in motion is called _____                           | G. balanced        |
| 8. A _____ causes an object to move, change speed or change direction                             | H. potential       |
| 9. A change in the position of an object over time.   | I. weight          |
| 10. A _____ is used to check if an object has moved   | J. Newton          |
| 11. You can tell that an object has moved when its _____ has changed.                             | K. unbalanced      |
| 12. The energy of motion is _____ energy.   | L. Friction        |
| 13. The energy of position is _____ energy.   | M. kinetic         |
| 14. A ball is rolling down the hill has _____ energy  | N. force           |