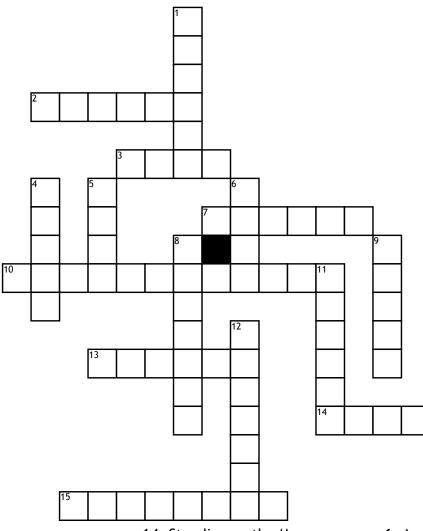
Newton's First Law of Motion



<u>Across</u>

2. The metric system uses this as the unit for force.

3. All matter has this, even in space.

7. A word we use for the force that gravity exerts on an object.10. Any change in the motion of an object.

13. An object in motion will remain in...

14. Standing on the Moon your mass is the same as on Earth, but your weight is _____.

15. The metric system uses this as the base unit for mass.

Down

1. In the system of measurements used in the United States, we use ______ as a unit for weight.

4. A push or a pull.

5. The more mass an object **12.** The resistance of the ob to any change in its motion.

6. An object at rest will remain at...

8. We have a new equation; Fg = m*g, or weight = mass *

9. In the story of Newton coming up with the idea of gravity, this fruit fell on his head.
11. When used in Physics, the word _____ means perpindicular
12. The resistance of the object

Word Bank

REST	KILOGRAM	NEWTON	POUNDS	LESS
GRAVITY	INERTIA	MORE	MOTION	WEIGHT
FORCE	ACCELERATION	APPLE	MASS	NORMAL

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