

## 8th Grade Science Vocabulary Quiz 8

*Write the word that best matches each definition or clue.*

1. \_\_\_\_\_ Unequal forces that cause a change in motion.
2. \_\_\_\_\_ Speed traveled in a certain direction.
3. \_\_\_\_\_ Equal forces that cause no change in motion.
4. \_\_\_\_\_ The rate of change of the velocity of an object with respect to time.
5. \_\_\_\_\_ States that every time one object exerts a force on another object, the second object exerts a force that is equal in size and opposite in direction back on the first
6. \_\_\_\_\_ The layer of Earth that houses the plates of Earth.
7. \_\_\_\_\_ States that objects at rest remain at rest, and objects in motion remain in motion with the same velocity, unless acted on by an unbalanced forced.
8. \_\_\_\_\_ Energy in motion.
9. \_\_\_\_\_ Energy being converted to another form of energy.
10. \_\_\_\_\_ Distance traveled in a certain amount of time.
11. \_\_\_\_\_ The amount of force needed to move an object in a certain direction.
12. \_\_\_\_\_ States that the acceleration of an object increases with increased force and decreases with increased mass.
13. \_\_\_\_\_ Energy that is stored.
14. \_\_\_\_\_ The taffy-like layer of Earth that moves the plates.
15. \_\_\_\_\_ The thin, outer most layer of Earth.

work  
lithosphere  
kinetic energy  
velocity  
Newton's second law

speed  
acceleration  
Newton's first law  
energy transformations  
Newton's third law

asthenosphere  
potential energy  
crust  
balanced forces  
unbalanced forces