

## 8th Grade Science Vocabulary Quiz 15

1. \_\_\_ Energy in motion.  
A.speed B.kinetic energy C.acceleration D.Newton's first law
2. \_\_\_ The amount of force needed to move an object in a certain direction.  
A.work B.crust C.lithosphere D.velocity
3. \_\_\_ Unequal forces that cause a change in motion.  
A.acceleration B.Newton's second law C.lithosphere D.unbalanced forces
4. \_\_\_ Energy that is stored.  
A.potential energy B.lithosphere C.speed D.work
5. \_\_\_ Speed traveled in a certain direction.  
A.Newton's third law B.energy transformations C.velocity D.Newton's first law
6. \_\_\_ 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.  
A.Newton's second law B.balanced forces C.speed D.Newton's first law
7. \_\_\_ The layer of Earth that houses the plates of Earth.  
A.energy transformations B.kinetic energy C.lithosphere D.acceleration
8. \_\_\_ The thin, outer most layer of Earth.  
A.Newton's third law B.crust C.acceleration D.asthenosphere
9. \_\_\_ States that the acceleration of an object increases with increased force and decreases with increased mass.  
A.Newton's second law B.Newton's first law C.crust D.speed
10. \_\_\_ Distance traveled in a certain amount of time.  
A.kinetic energy B.potential energy C.speed D.Newton's second law
11. \_\_\_ 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  
A.Newton's third law B.Newton's first law C.kinetic energy D.lithosphere
12. \_\_\_ Equal forces that cause no change in motion.  
A.lithosphere B.Newton's second law C.potential energy D.balanced forces
13. \_\_\_ The taffy-like layer of Earth that moves the plates.  
A.Newton's first law B.unbalanced forces C.asthenosphere D.lithosphere
14. \_\_\_ The rate of change of the velocity of an object with respect to time.  
A.energy transformations B.acceleration C.lithosphere D.Newton's third law
15. \_\_\_ Energy being converted to another form of energy.  
A.asthenosphere B.Newton's third law C.energy transformations D.work