

## 8th Grade Science Vocabulary Quiz 8

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