

# 8th Grade Science Vocabulary Quiz 22

Write the word that best matches each definition or clue.

1. \_\_\_\_\_ Energy in motion.
2. \_\_\_\_\_ The layer of Earth that houses the plates of Earth.
3. \_\_\_\_\_ Energy that is stored.
4. \_\_\_\_\_ Speed traveled in a certain direction.
5. \_\_\_\_\_ 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 force.
6. \_\_\_\_\_ The thin, outer most layer of Earth.
7. \_\_\_\_\_ The rate of change of the velocity of an object with respect to time.
8. \_\_\_\_\_ Unequal forces that cause a change in motion.
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
10. \_\_\_\_\_ Distance traveled in a certain amount of time.
11. \_\_\_\_\_ States that the acceleration of an object increases with increased force and decreases with increased mass.
12. \_\_\_\_\_ The amount of force needed to move an object in a certain direction.
13. \_\_\_\_\_ The taffy-like layer of Earth that moves the plates.
14. \_\_\_\_\_ Energy being converted to another form of energy.
15. \_\_\_\_\_ Equal forces that cause no change in motion.

unbalanced forces

crust

Newton's second law

potential energy

Newton's third law

balanced forces

velocity

acceleration

Newton's first law

lithosphere

energy transformations

work

speed

asthenosphere

kinetic energy