

8th Grade Science Vocabulary Quiz 15

Write the word that best matches each definition or clue.

1. WORK The amount of force needed to move an object in a certain direction.
2. KINETIC ENERGY Energy in motion.
3. VELOCITY Speed traveled in a certain direction.
4. LITHOSPHERE The layer of Earth that houses the plates of Earth.
5. ASTHENOSPHERE The taffy-like layer of Earth that moves the plates.
6. NEWTON'S SECOND LAW States that the acceleration of an object increases with increased force and decreases with increased mass.
7. CRUST The thin, outer most layer of Earth.
8. ACCELERATION The rate of change of the velocity of an object with respect to time.
9. UNBALANCED FORCES Unequal forces that cause a change in motion.
10. ENERGY TRANSFORMATIONS Energy being converted to another form of energy.
11. SPEED Distance traveled in a certain amount of time.
12. POTENTIAL ENERGY Energy that is stored.
13. NEWTON'S FIRST LAW 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.
14. NEWTON'S THIRD LAW 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.
15. BALANCED FORCES Equal forces that cause no change in motion.

Newton's first law

kinetic energy

balanced forces

asthenosphere

lithosphere

potential energy

work

energy transformations

speed

Newton's third law

acceleration

velocity

Newton's second law

crust

unbalanced forces