

7th Grade Science Vocabulary Matching 21

Write the word that best matches each definition or clue.

1. _____ A condition needed for health and functioning in which an organism or cell maintains a relatively stable internal environment
2. _____ Speed in a given direction.
3. _____ 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.
4. _____ Stored energy; the energy an object has due to its position, molecular arrangement, or chemical composition.
5. _____ The smallest unit that is able to perform the basic functions of life.
6. _____ The use of force to move an object over a distance.
7. _____ A combination of the kinetic energy and potential energy an object has.
8. _____ Protective outer covering outside of the cell membrane; plant cells only.
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 object.
10. _____ States that the acceleration of an object increases with increased force and decreases with increased mass.
11. _____ A change of position over time.
12. _____ A measure of how fast something moves through a particular distance over a definite time period; distance divided by time.
13. _____ Outer boundary of the cytoplasm and the environment outside; semi-permeable.
14. _____ Fluid that fills cell (gelatin-like) in which many organelles are found; carries out the work of the cell.
15. _____ One of the basic machines on which all other mechanical machines are based.

work

potential energy

cell

motion

speed

simple machines

cytoplasm

Newton's second law

cell membrane

Newton's first law

homeostasis

Newton's third law

mechanical energy

cell wall

velocity