

7th Grade Science Vocabulary Matching 15

Write the word that best matches each definition or clue.

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

cell

Newton's second law

cell membrane

speed

work

Newton's first law

homeostasis

potential energy

velocity

Newton's third law

cytoplasm

motion

mechanical energy

cell wall

simple machines