

7th Grade Science Vocabulary Matching 9

Write the word that best matches each definition or clue.

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

simple machines

Newton's third law

Newton's second law

motion

speed

mechanical energy

Newton's first law

cell membrane

homeostasis

cell

work

cell wall

cytoplasm

potential energy

velocity