

## 7th Grade Science Vocabulary Quiz 15

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