

## 7th Grade Science Vocabulary Quiz 3

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