7th Grade Science Vocabulary Quiz 21

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