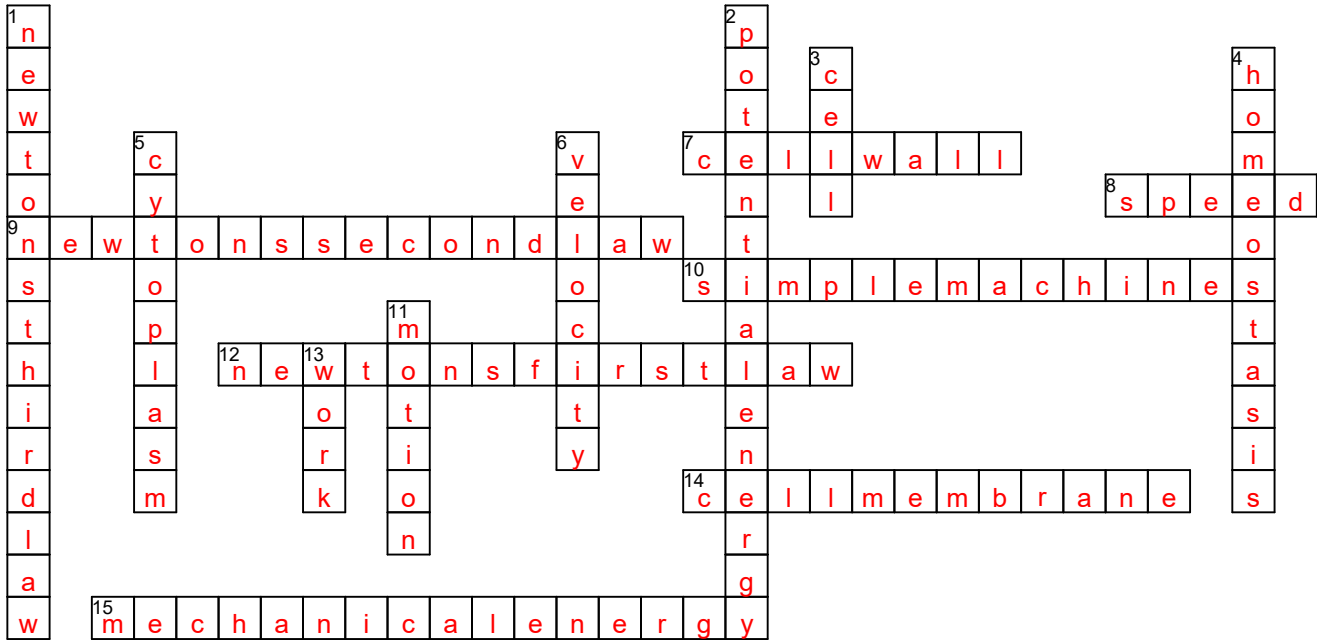


# 7th Grade Science Vocabulary Crossword Puzzle 15

1. Using the Across and Down clues, write the correct words in the numbered grid below.



## ACROSS

7. Protective outer covering outside of the cell membrane; plant cells only.
8. A measure of how fast something moves through a particular distance over a definite time period; distance divided by time.
9. States that the acceleration of an object increases with increased force and decreases with increased mass.
10. One of the basic machines on which all other mechanical machines are based.
12. 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.
14. Outer boundary of the cytoplasm and the environment outside; semi-permeable.
15. A combination of the kinetic energy and potential energy an object has.

## DOWN

1. 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.
2. Stored energy; the energy an object has due to its position, molecular arrangement, or chemical composition.
3. The smallest unit that is able to perform the basic functions of life.
4. A condition needed for health and functioning in which an organism or cell maintains a relatively stable internal environment
5. Fluid that fills cell (gelatin-like) in which many organelles are found; carries out the work of the cell.
6. Speed in a given direction.
11. A change of position over time.
13. The use of force to move an object over a distance.

homeostasis  
 motion  
 cell wall  
 mechanical energy  
 Newton's second law

potential energy  
 cell  
 work  
 cell membrane  
 speed

simple machines  
 cytoplasm  
 Newton's third law  
 Newton's first law  
 velocity