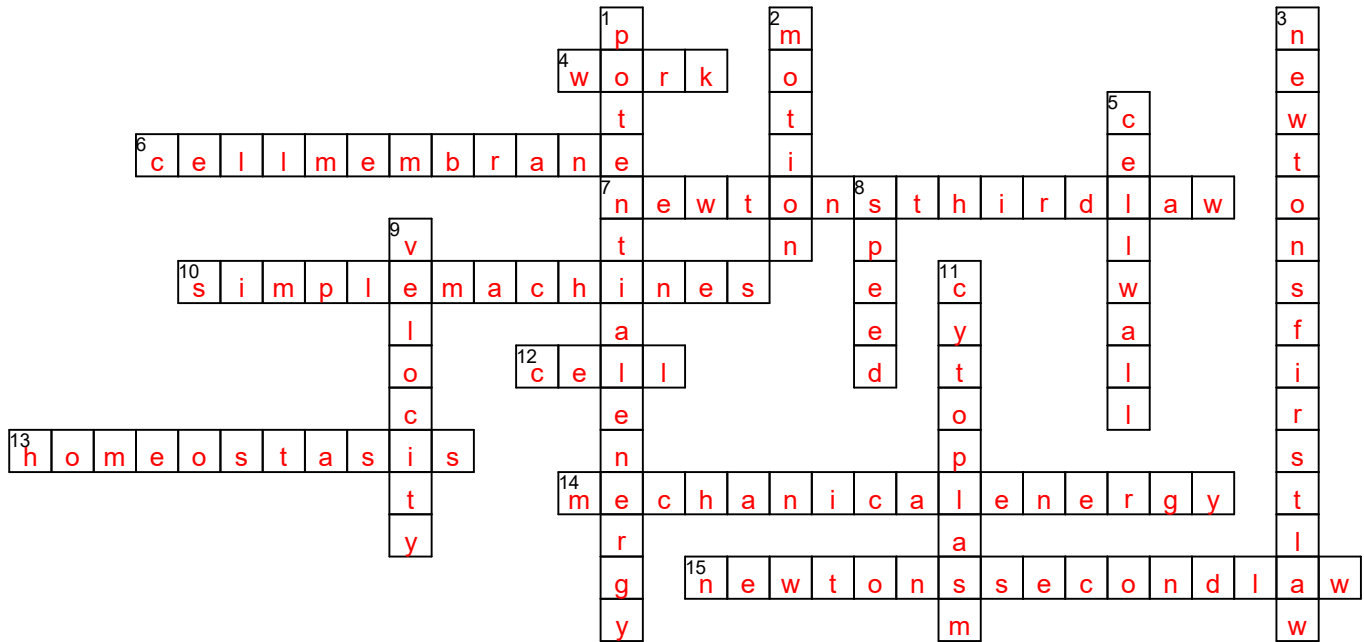


# 7th Grade Science Vocabulary Crossword Puzzle 21

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



## ACROSS

4. The use of force to move an object over a distance.
6. Outer boundary of the cytoplasm and the environment outside; semi-permeable.
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.
10. One of the basic machines on which all other mechanical machines are based.
12. The smallest unit that is able to perform the basic functions of life.
13. A condition needed for health and functioning in which an organism or cell maintains a relatively stable internal environment
14. A combination of the kinetic energy and potential energy an object has.
15. States that the acceleration of an object increases with increased force and decreases with increased mass.

## DOWN

1. Stored energy; the energy an object has due to its position, molecular arrangement, or chemical composition.
2. A change of position over time.
3. 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.
5. 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. Speed in a given direction.
11. Fluid that fills cell (gelatin-like) in which many organelles are found; carries out the work of the cell.

cytoplasm  
mechanical energy  
Newton's second law  
velocity  
cell

cell wall  
simple machines  
Newton's first law  
Newton's third law  
homeostasis

motion  
work  
cell membrane  
speed  
potential energy