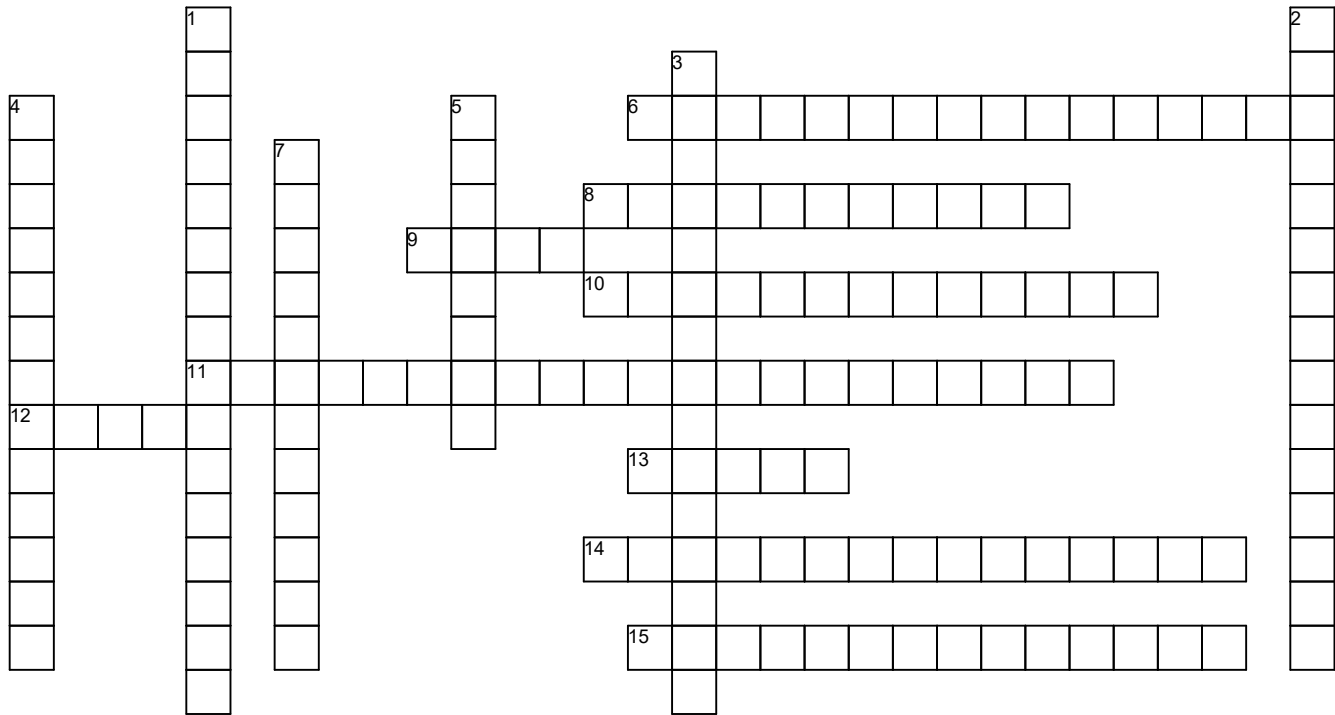


# 8th Grade Science Vocabulary Crossword Puzzle 15

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



## ACROSS

6. States that the acceleration of an object increases with increased force and decreases with increased mass.
8. The layer of Earth that houses the plates of Earth.
9. The amount of force needed to move an object in a certain direction.
10. Energy in motion.
11. Energy being converted to another form of energy.
12. Distance traveled in a certain amount of time.
13. The thin, outer most layer of Earth.
14. Energy that is stored.
15. Equal forces that cause no change in motion.

## DOWN

1. Unequal forces that cause a change in motion.
2. 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
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 forced.
4. The taffy-like layer of Earth that moves the plates.
5. Speed traveled in a certain direction.
7. The rate of change of the velocity of an object with respect to time.

asthenosphere

Newton's third law

energy transformations

potential energy

velocity

speed

balanced forces

work

Newton's second law

acceleration

lithosphere

Newton's first law

unbalanced forces

crust

kinetic energy