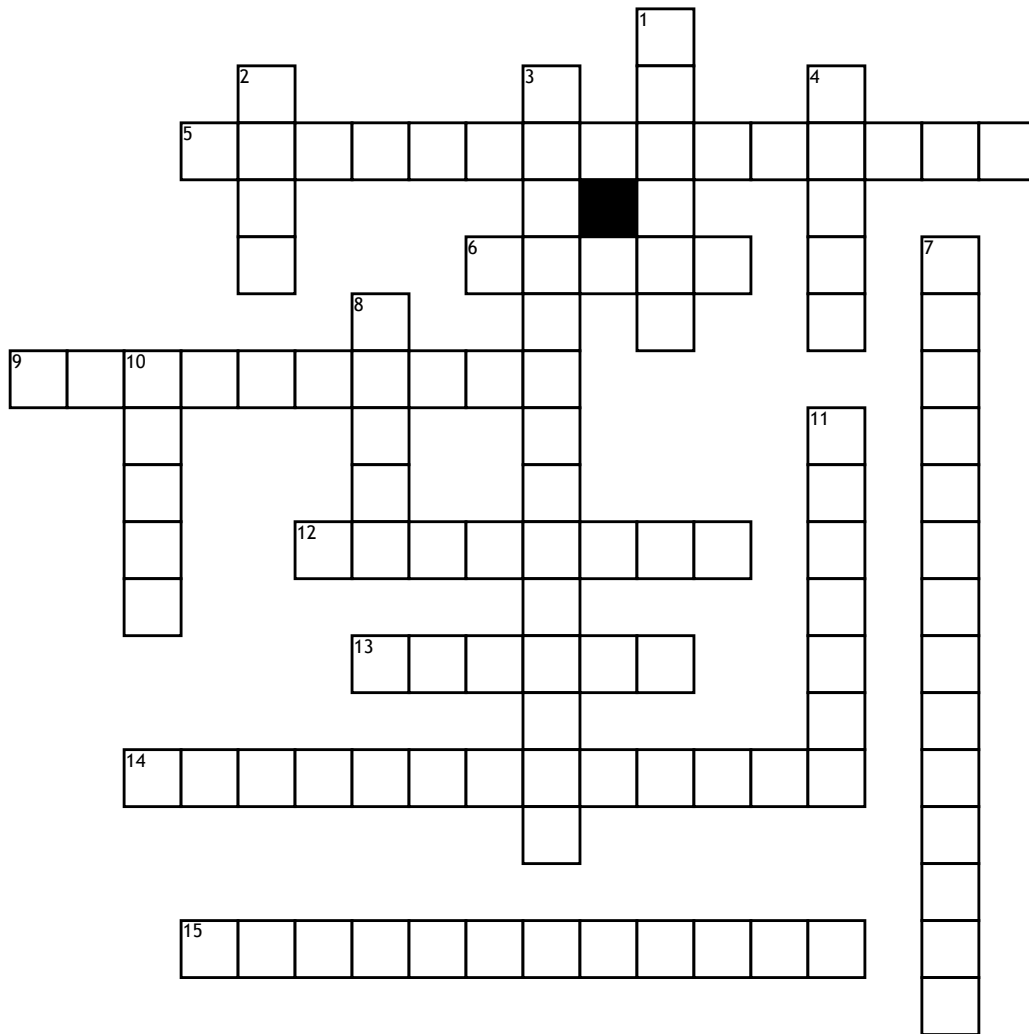


anchor activity



Across

5. the energy an object has because of its position; also the internal stored energy of an object, such as energy stored in chemical bonds
 6. the distance an object travels per unit of time
 9. the force exerted on a machine
 12. speed in given direction
 13. the state in which one objects distance from another is changing
 14. the potential energy stored in the nucleus of an atom

15. the rate at which velocity changes

Down

1. a simple machine that consists of a grooved wheel with a rope or cable wrapped around it
 2. force exerted on an object that causes it to move
 3. the most basic device for making work easier, these are the smaller building blocks for complex machines
 4. a simple machine that is an inclined plane that moves

7. a form of potential energy that is stored in chemical bonds between atom

8. a push or pull exerted on an object
 10. the rate at which one form of energy is transformed into another
 11. the attractive force between objects; the force that moves objects downhill

Word Bank

work
 force
 input force
 power

wedge
 speed
 simple machines
 gravity

motion
 velocity
 acceleration
 pulley

chemical energy
 potential energy
 nuclear energy