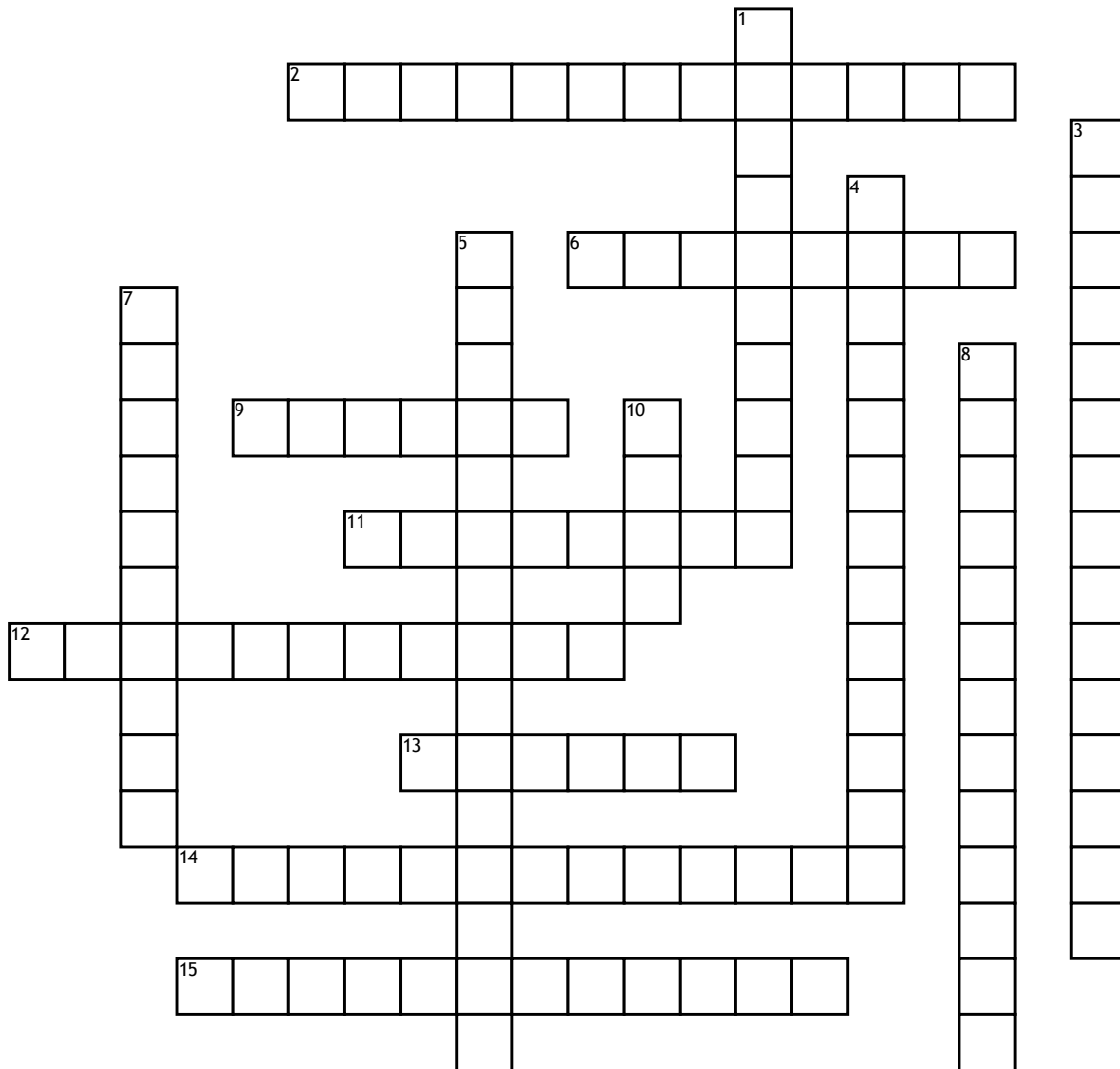


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# 2nd nine weeks



## Across

2. Energy that an object has due to its motion  
 6. The length of a path between two points  
 9. A simple machine that consists of a rope that fits into a groove in a wheel  
 11. The combination of all forces acting on an object  
 12. Equipment used to measure a force such as weight.  
 13. Unit for force

14. device that makes work easier, often by reducing the amount of effort forces needed to move an object

15. The overall rate of speed at which an object moves; calculated by dividing the total distance an object travels by the total time.

## Down

1. The force that is applied to the machine  
 3. two or more forces that are not equal and opposite of one another; can cause change in motion

4. a simple machine that is a straight, slanted surface, which facilitates the raising of loads; a ramp

5. Energy stored due to an objects motion

7. tool used to measure the amount of Newtons applied to an object

8. Equal forces acting on an object in opposite directions; there will be no motion

10. Force exerted on an object that causes it to move; work=force x distance