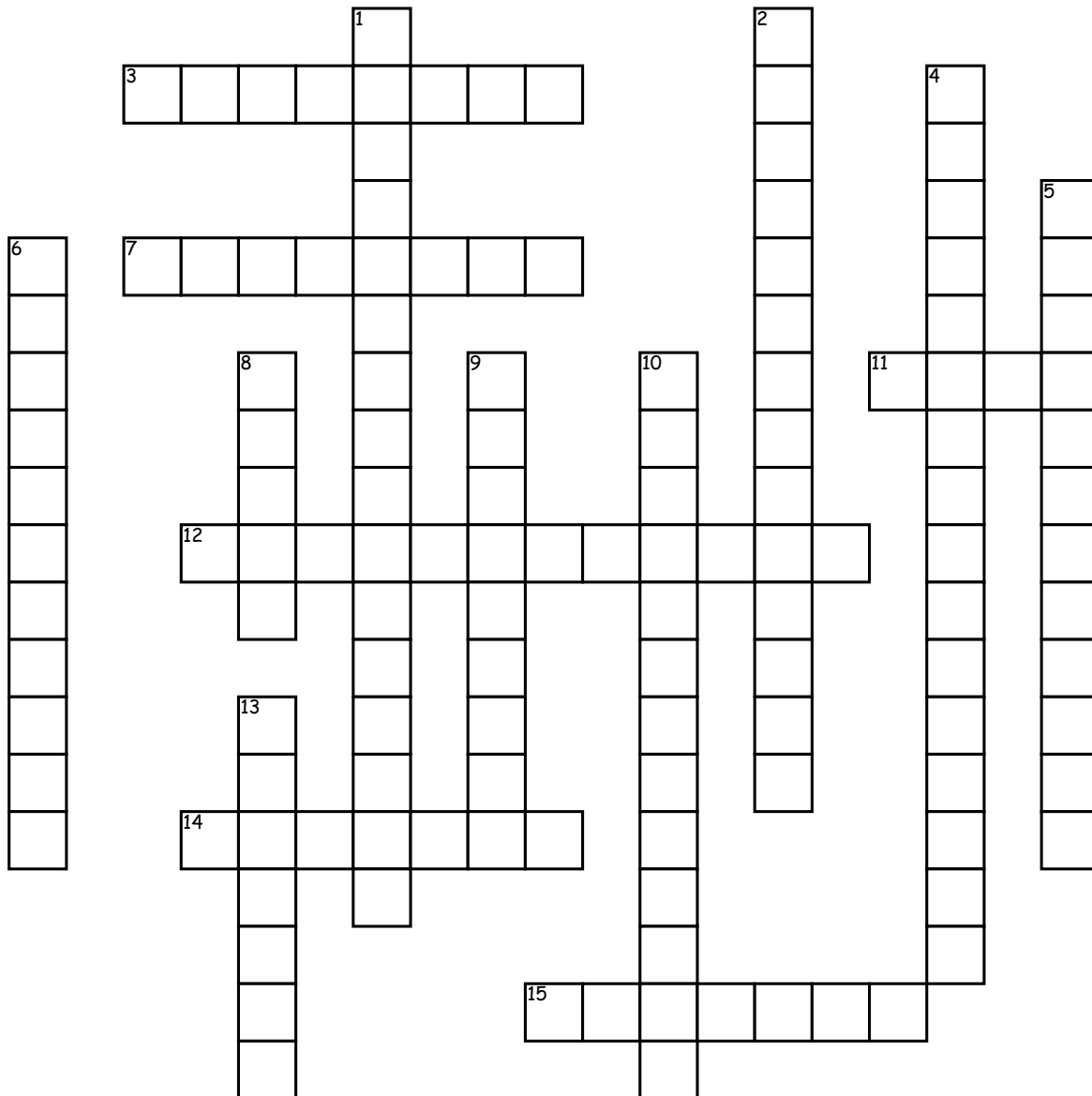


Name: \_\_\_\_\_

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

# Forces



## Across

3. Sum of all forces acting on an object  
 7. A force that opposes motion  
 11. The amount of matter in something  
 12. Change in an objects velocity caused by speeding up, slowing down, or changing direction  
 14. The unit of force  
 15. A force that pulls any object towards the center of the earth

## Down

1. When an object is not speeding up, slowing down, or changing direction  
 2. Opposing forces that are equal  
 4. Opposing forces that aren't equal  
 5. The force that is transmitted through string, rope, cable, or wire being pulled tight  
 6. The support force applied to an object that is in contact with a stable object

8. The puch or pull upon an object

9. The course something or someone could possibly move along

10. An objects at rest will stay at rest and an object in motion will stay in motion with the same speed and direction unless acted upon by an unbalanced force

13. An object's resistance to a change in its motion(based on mass)