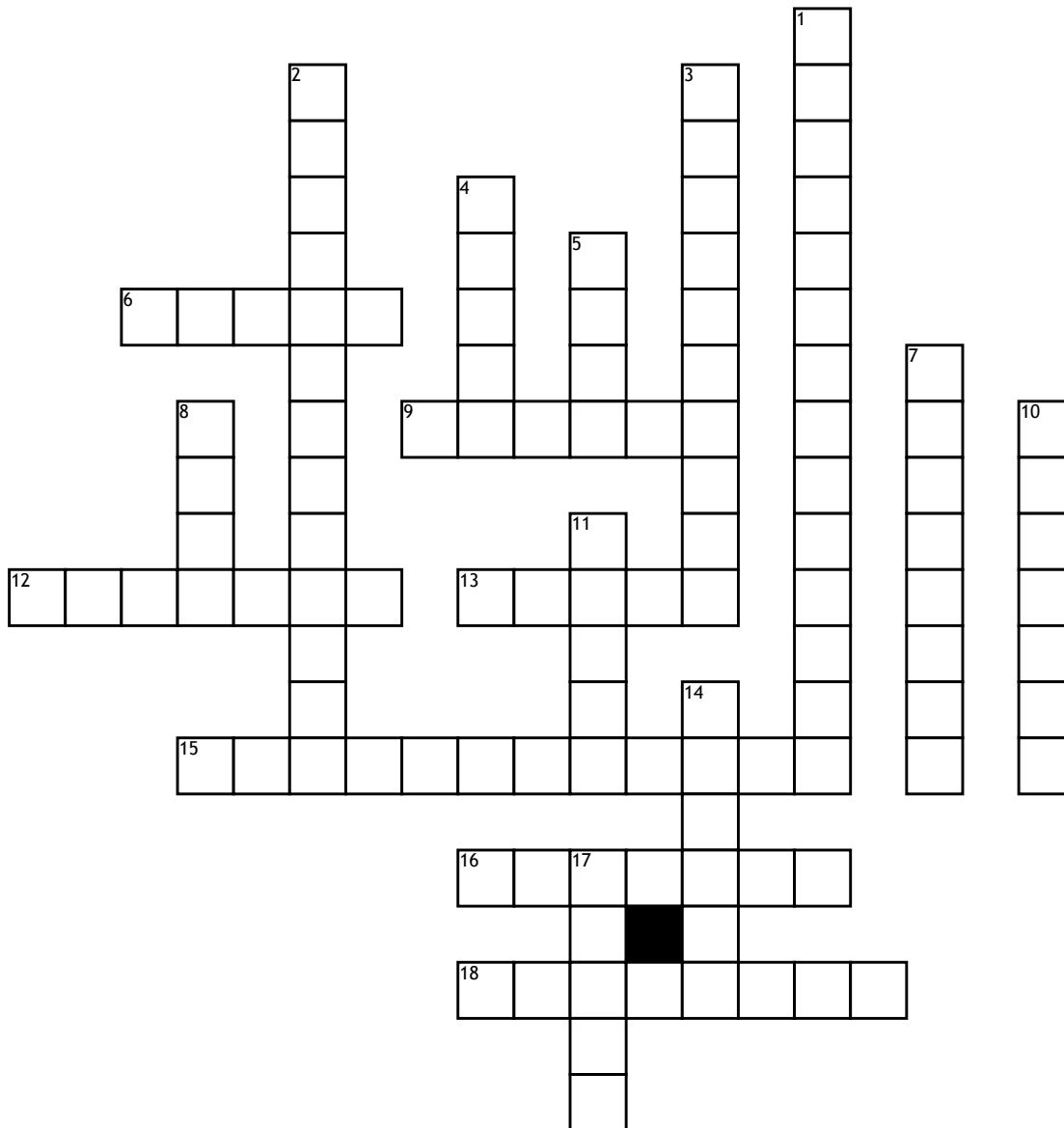


# Forces and Simple Machines



## Across

6. A \_\_\_\_\_ rotates around an axle
9. He discovered the three laws of motion
12. The arrows on a force diagram that show the direction and strength of a force
13. A fisherpole, baseball bat and golf club are all examples of \_\_\_\_\_ class levers
15. Limited materials, time, and budget are all \_\_\_\_\_ that Mr. Moore gave us when making veggie cars

16. The force pulling you down toward the Earth

18. If the vectors on a force diagram are equal in length, the forces are \_\_\_\_\_.

## Down

1. The name of this science unit is "Forces and \_\_\_\_\_"
2. Diagrams that show the forces acting on an object
3. If the vectors on a force diagram are unequal in length, the forces are \_\_\_\_\_.
4. A push or a pull
5. Levers are useful because they help \_\_\_\_\_ heavy objects

7. The force resisting motion (clue: wheels and axles help overcome this)

8. An object at rest will stay at \_\_\_\_\_, unless another force is applied

10. The point where a lever pivots

11. A \_\_\_\_\_ class lever has the fulcrum in the middle

14. An object in motion will stay in \_\_\_\_\_, unless another force is applied

17. Skewers and toothpicks were used as \_\_\_\_\_ when making veggie cars