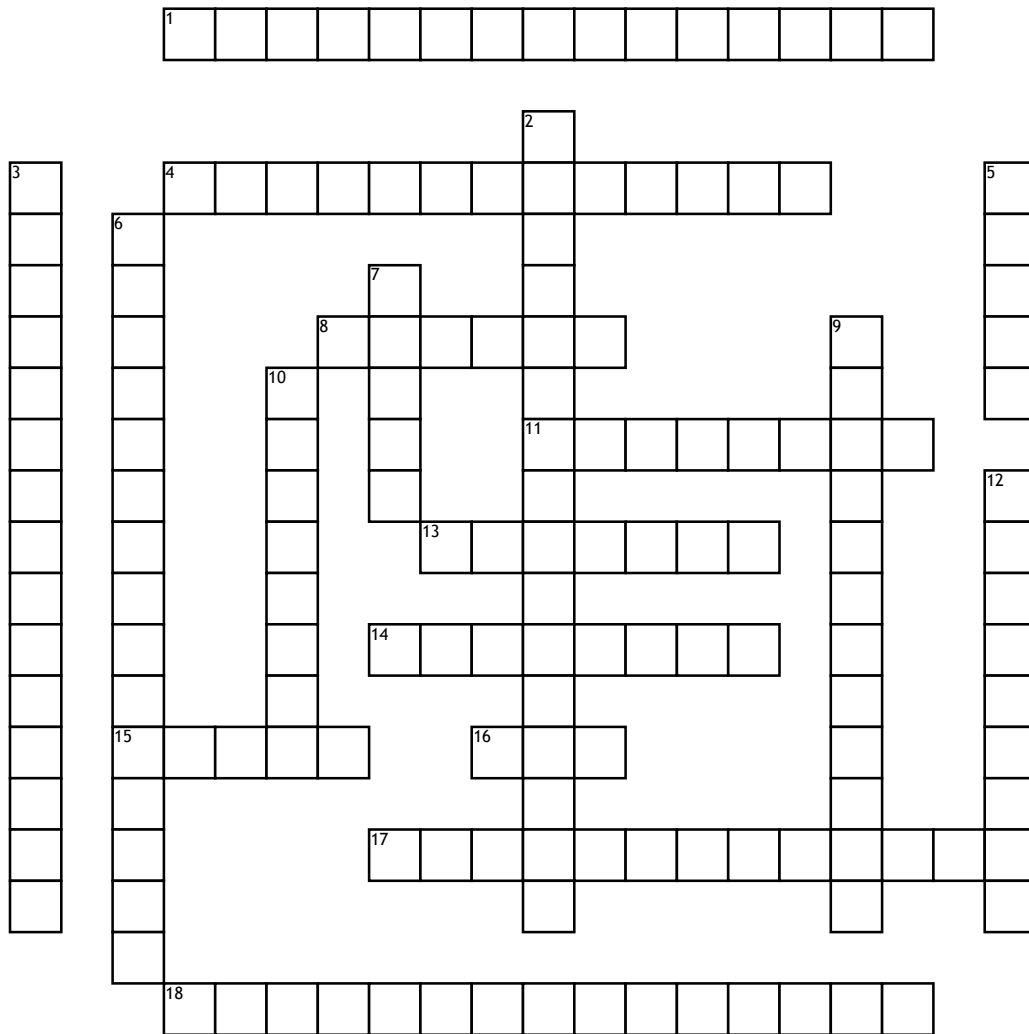


Name: \_\_\_\_\_

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

# Forces



**Across**

- 1. Stored Energy
- 4. Energy in Motion
- 8. When an object changes position over time
- 11. If the forces are moving in opposite direction, we \_\_\_\_\_ the forces
- 13. The tendency of objects to resist a change in motion
- 14. Speed in a given direction
- 15. The rate at which an object moves

**Word Bank**

- destroyed
- equal
- motion
- inertia
- Newtons second law

- net force
- velocity
- Newtons third law
- subtract
- Newtons first law

- 16. If the forces are moving in the same direction, we \_\_\_\_\_ the forces
  - 17. force that produces no change in motion and the net force is zero
  - 18. Force that produces a change in motion and the net force is greater than zero
- Down**
- 2. The Law of Force and Acceleration
  - 3. The Law of Action/Reaction

- 5. For every action, there is an \_\_\_\_\_ and opposite reaction
- 6. The Law of Inertia
- 7. A push or pull; something that changes the motion of something
- 9. A change in velocity
- 10. the combination of all the forces acting on an object
- 12. Energy cannot be created or \_\_\_\_\_ only transferred from object to object