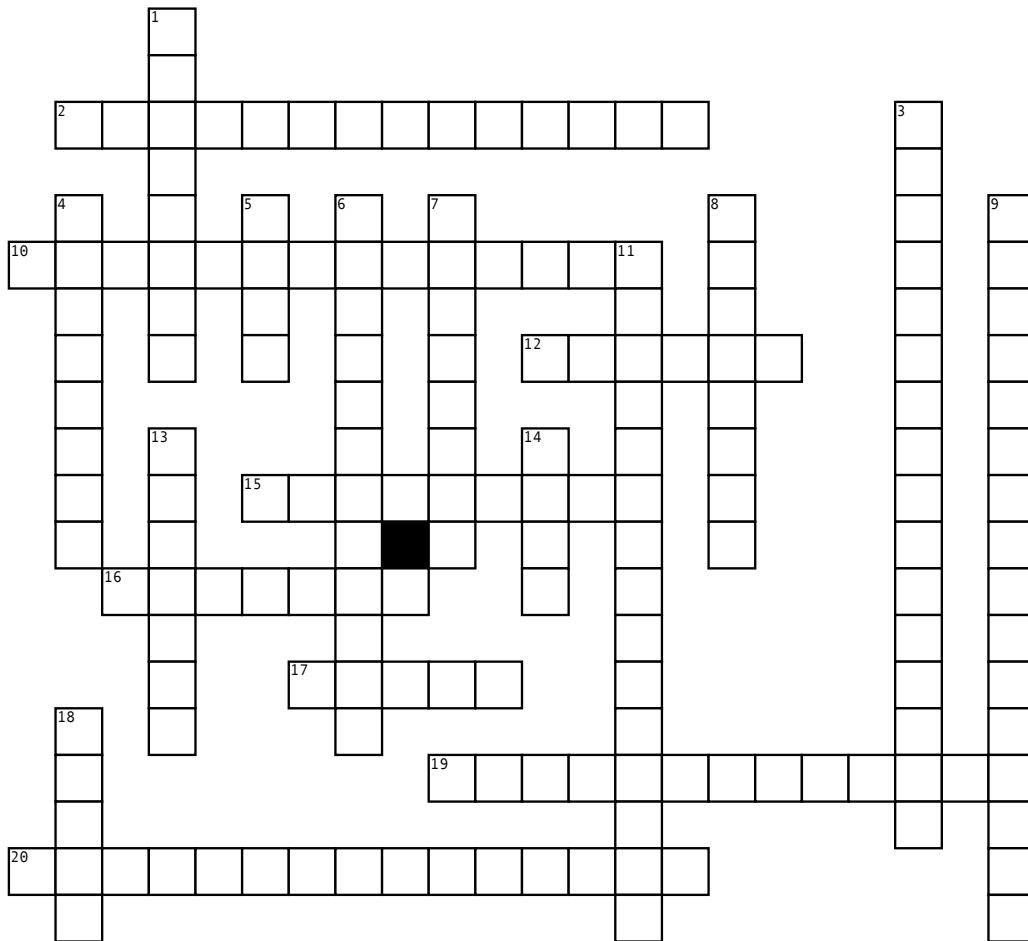


Forces



Across

- 2. Two forces acting in opposite directions on an object and equal in size
- 10. Discovered gravity
- 12. The SI unit of force
- 15. A course along which someone or something goes
- 16. The force that attracts a body toward the center of the Earth
- 17. A push or pull
- 19. Straight diagonal line
- 20. For every action there's an equal and opposite reaction

Down

- 1. Speed in a given direction
- 3. Two forces that are unequal in size and opposite in direction
- 4. An amount of space between two things or people
- 5. Weight of an object
- 6. Change in speed or velocity over time
- 7. The overall forces acting on an object and is measured in newtons
- 8. The speed of something in a given direction

9. Law of force and acceleration

- 11. Law of inertia
- 13. A tendency to do nothing or remain unchanged
- 14. The indefinite continued progress of existence and events in the past, present, and future regarded as a whole
- 18. The rate at which someone or something is able to move or operate

Word Bank

- | | | | |
|---------------------|--------------------|--------------------|-----------------|
| Newton's second law | Force | Distance | Velocity |
| Speed | Newton's third law | Newton's first law | Direction |
| Net force | Inertia | Time | Constant Speed |
| Unbalanced forces | Acceleration | Mass | Velocity |
| Sir Isaac Newton | Newton | Gravity | Balanced forces |