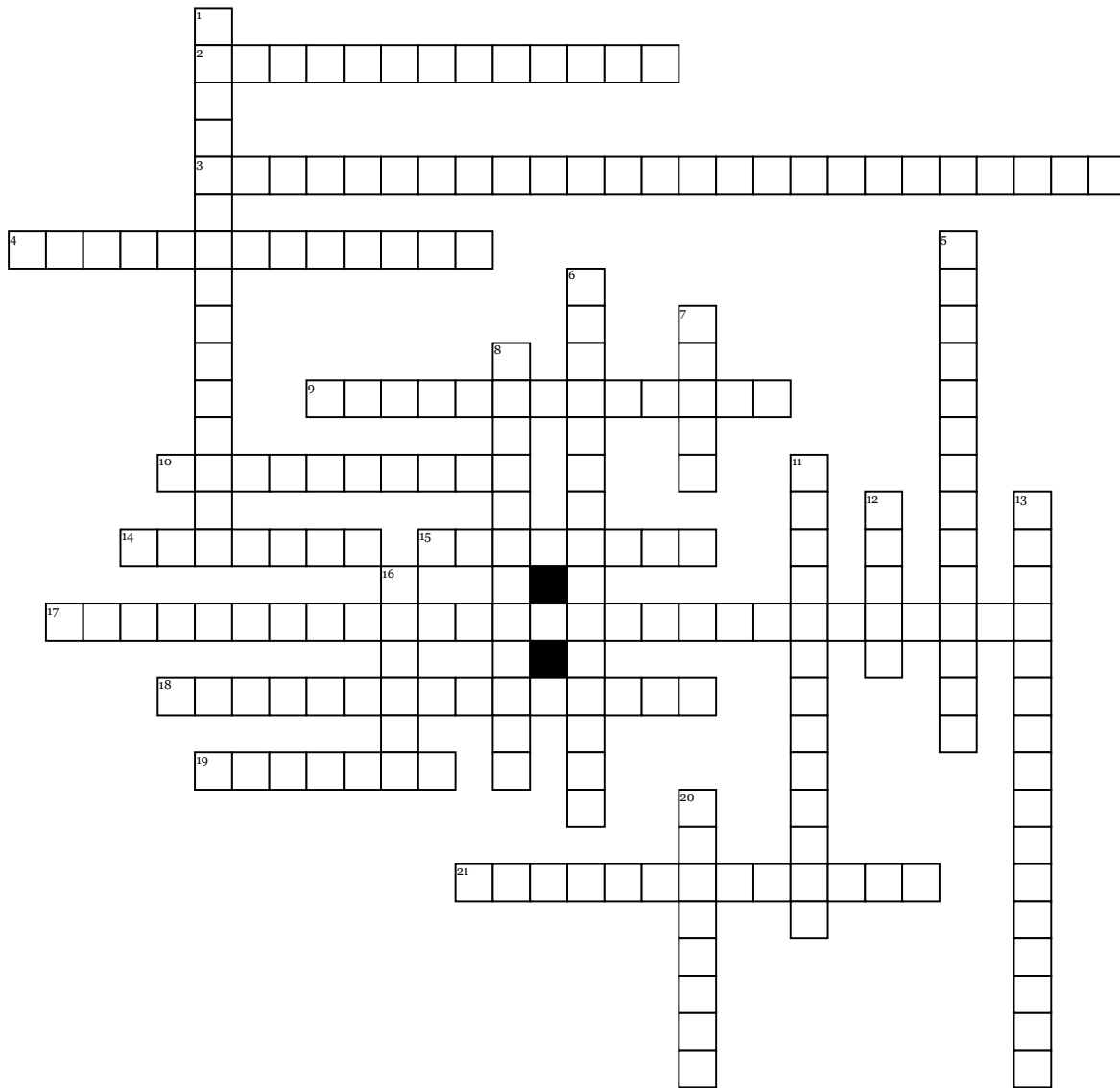


Newton's Law



Across

- 2. for every action there is an equal and opposite reaction
- 3. force of gravity acts on all objects in the universe
- 4. net force equals the product of mass and acceleration
- 9. equal forces in opposite directions and the object does not accelerate
- 10. object that is thrown
- 14. tendency of an object to resist change
- 15. occurs when gravity is the only force acting on the object

17. total momentum of objects that interact does not change

18. when an object rolls over a surface

19. force that pulls objects towards each other

21. type of fluid friction that affects falling objects

Down

1. causes an object to accelerate

5. occurs when an object moves through a liquid or gas

6. when solid surfaces slide over each other

7. any push or pull on an object

8. change in velocity per unit of time and occurs when an object speeds up, slows down, or changes direction

11. an object at rest will remain at rest and an object in motion remains in constant motion unless an unbalanced force acts on it

12. measure of a unit of distance per unit of time

13. greatest velocity an object can reach

16. measure of the force of gravity on an object and equals mass times 9.8

20. force that one surface exerts against another