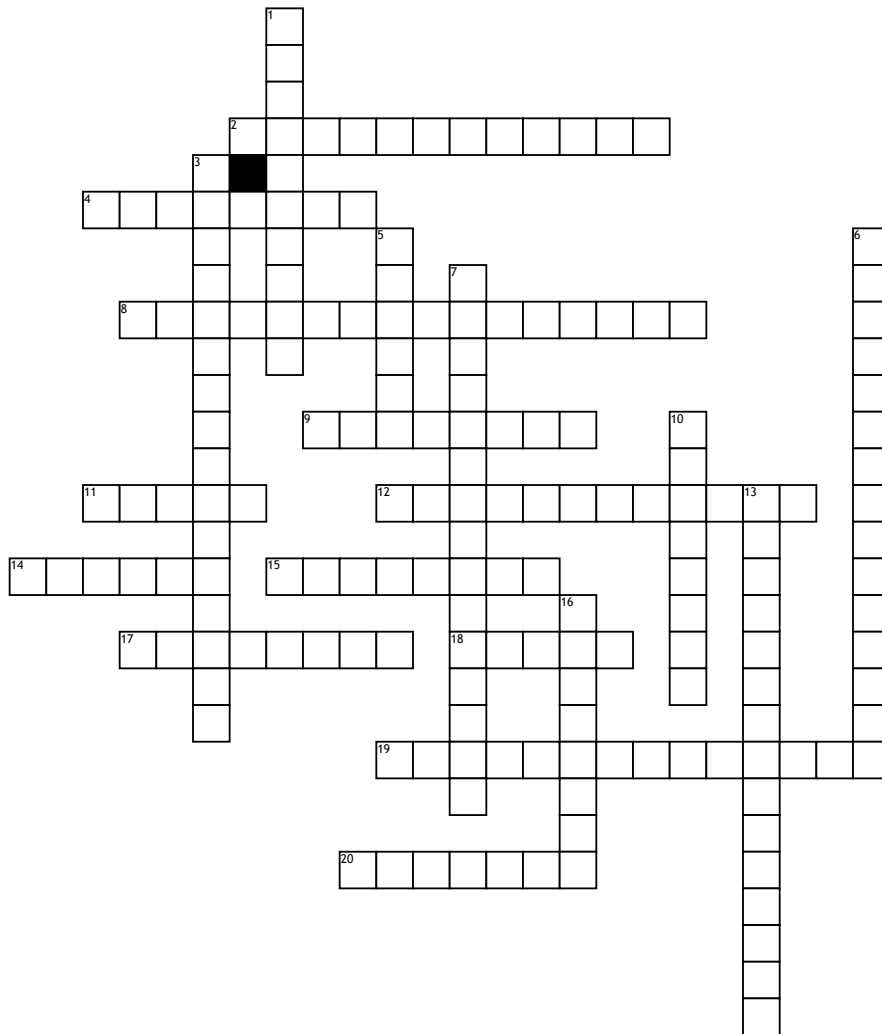


Name: _____

Date: _____

Newton's Laws and Friction Vocabulary



Across

- 2. newtons first law
- 4. when gravity is the only force acting on an object
- 8. the motion of a falling object after it is given an initial forward velocity
- 9. the sum of forces acting on an object
- 11. a push or pull that one body exerts on another
- 12. the moving of something from its place or position.
- 14. the action or process of moving or being moved
- 15. a force that opposes the motion of objects that touch as they move past each other

- 17. forces acting on an object that are opposite in direction and equal in size
- 18. the rate at which something is able to move
- 19. the friction force that acts on objects that are NOT moving
- 20. force of attraction between any two objects in the universe

Down

- 1. forces that are not opposite and equal
- 3. the acceleration of an object is directly proportional to the net force acting on it and inversely proportional to its mass
- 5. the force of gravity on an object

- 6. The force that acts on rolling objects
- 7. an object that is at rest will stay at rest and an object in motion will continue moving at a constant velocity unless acted upon by a net force
- 10. the product of an objects mass and its velocity, an object with large momentum is hard to stop
- 13. when one object exerts a force on a second object, the second object exerts an equal but opposite force on the first
- 16. the speed of something in a given direction

Word Bank

Newtons first law
Gravity
Law of inertia
displacement
motion

Newtons second law
rolling friction
free fall
momentum
speed

Newtons third law
static friction
projectile motion
Unbalanced
weight

Friction
Net force
Force
velocity
Balanced