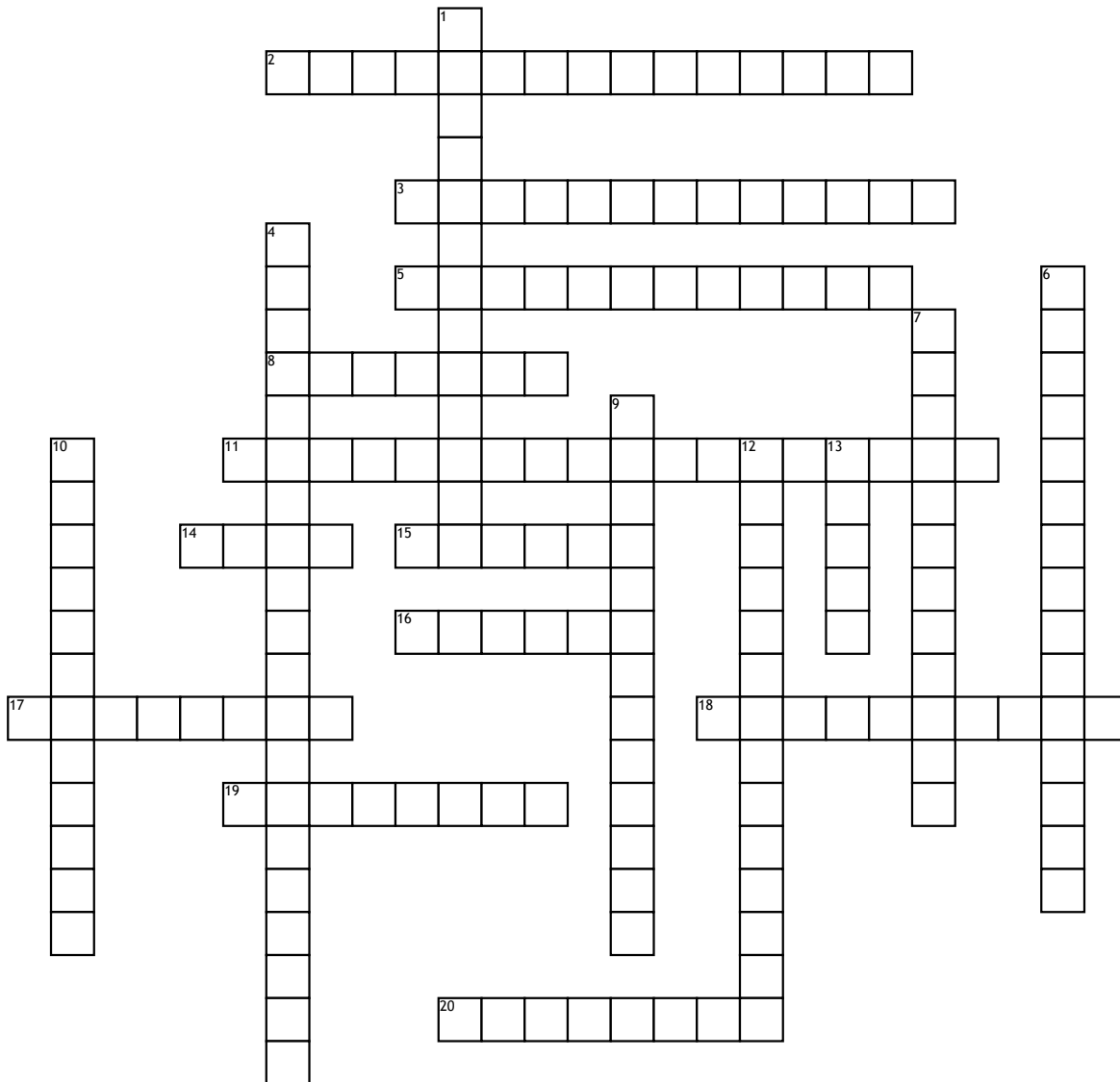


Name: _____

Date: _____

Day 1 Motion



Across

2. Between two objects moving past each other
 3. A net force acting on an object causes the object to accelerate in the direction of the net force
 5. The distance and direction of an object's motion
 8. The tendency of an object to resist a change in motion
 11. Speed at a given point
 14. Force applied over a distance
 15. The force of gravity pulling on an object

16. A change in position

17. Speed of an object and its direction
 18. How well energy is used during work
 19. The product of an object's mass and velocity
 20. The force that opposes motion between two surfaces that are touching

Down

1. The amount of air resistance depends on the speed, size, and shape of the object

4. The forces equal but don't always balance

6. Between a wheel and a surface

7. The rate of change in velocity

9. An object moving stays moving unless a net force acts on it

10. The distance divided by the total time

12. Between two objects not moving

13. The rate at which work is done