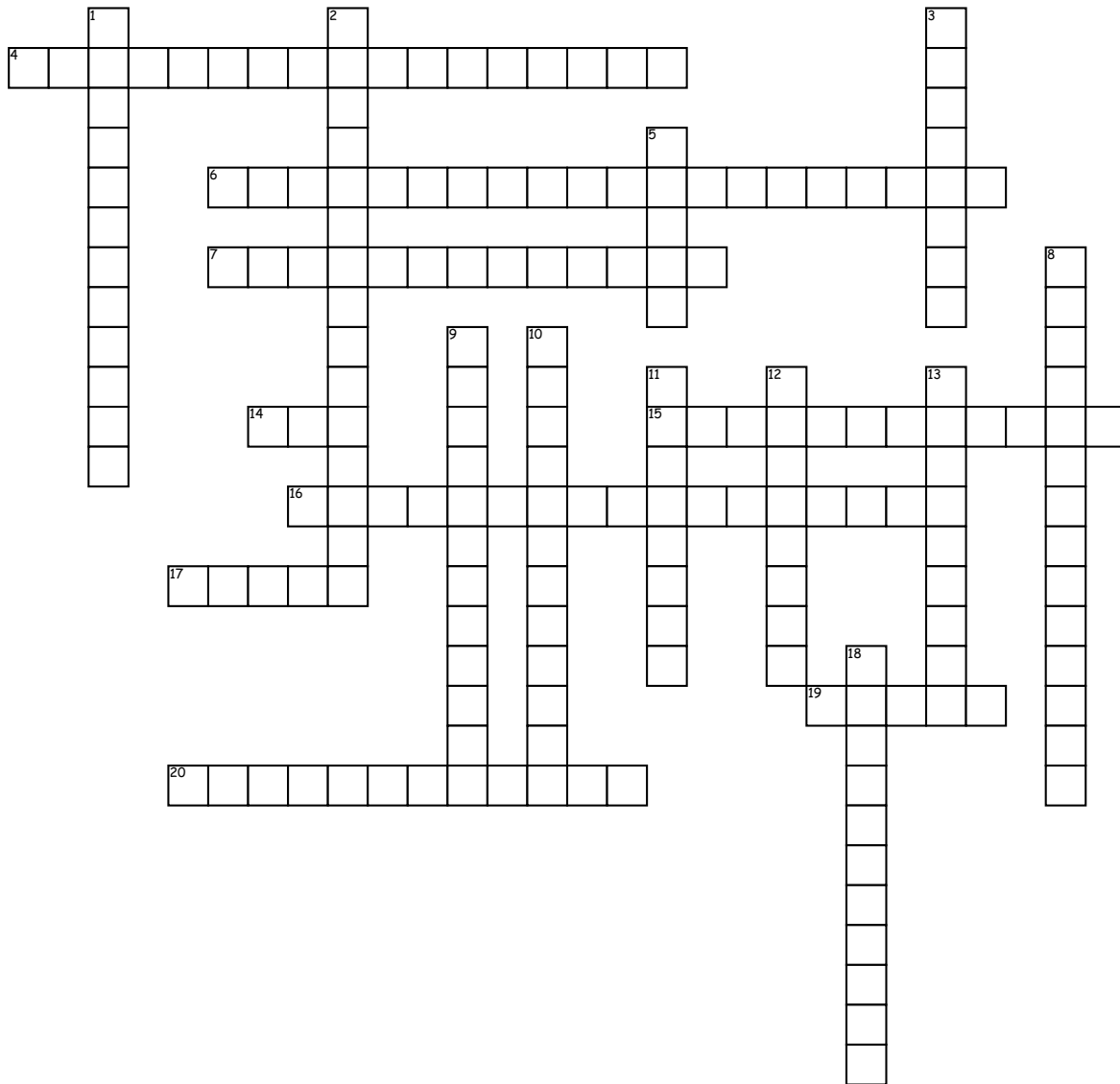


Name: _____

MOTION



Across

4. Distance-time graph is a straight line for
6. When a graph of one quantity versus another results in a straight line, the quantities are
7. When the distance covered by an object is directly proportional to time, it is said to travel with
14. SI unit of speed
15. km / h^2 is a unit of
16. Motion along a straight line is
17. The physical quantity describing motion and whose measure is the product of distance travelled and the time taken to travel that distance is

19. Name the physical quantity which we get from a S-t graph
20. example of vector quantity

Down

1. the slope of speed-time graph gives
2. Negative acceleration means an object is moving with
3. The area under the speed-time graph gives the
5. The slope of a v-t graph gives
8. Displacement is a
9. In the case of a rectilinear uniform motion, distance-time graph is a

10. When an object moves in a fixed direction with uniform acceleration, the speed-time graph is a
11. The speed-time graph for a particle moving at constant speed is a straight-line ___ to the time axis.
12. Name the physical quantity that is defined as the rate of change of displacement
13. a scalar quantity has
18. Name the instrument used to measure instantaneous speed of a vehicle