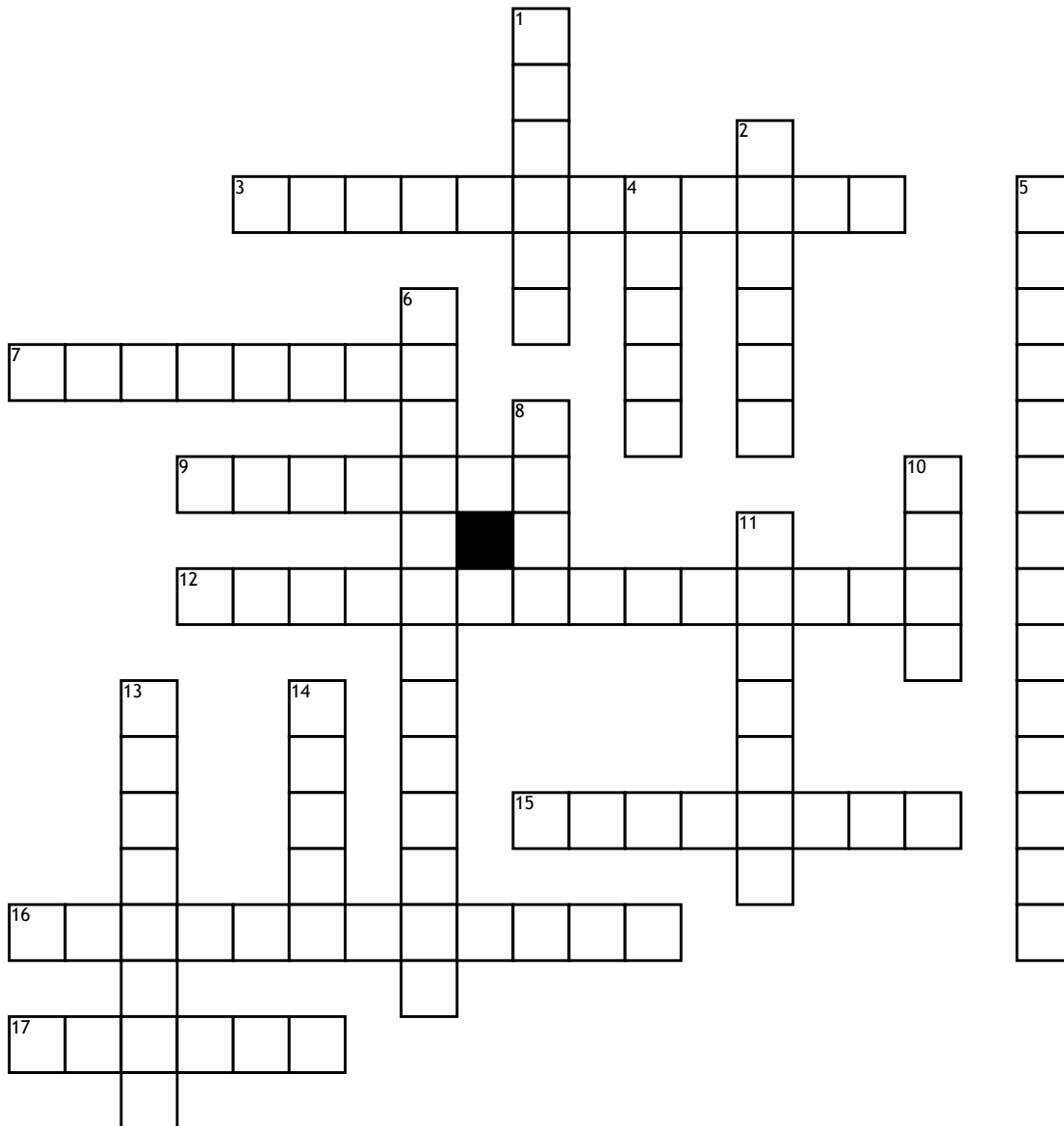


chapter 1 crossword



Across

3. the total distance traveled divided by the total time
 7. the force that that results from combining all the forces exerted on an object
 9. the tendency of all objects to resist any change in motion
 12. forces on an object that cause the net force to be zero
 15. a force that opposes motion between surfaces when touching
 16. increase in the rate or speed of something

17. an objects change in position over time when compared to a reference point

Down

1. the measure of gravitational force exerted on an object
 2. the si unit of force
 4. the rate at which an object moves
 5. an object that appears to stay in place in relation to an object being observed for motion
 6. the principle that two particles attracted to each other
 8. a mesure typically one measured against some other quantity or measure
 10. A measure of how much matter is in an object
 11. the force that attracts a body toward any other physical body having mass
 13. the speed of an object in a particular direction
 14. strength or energy of physical action or movement.