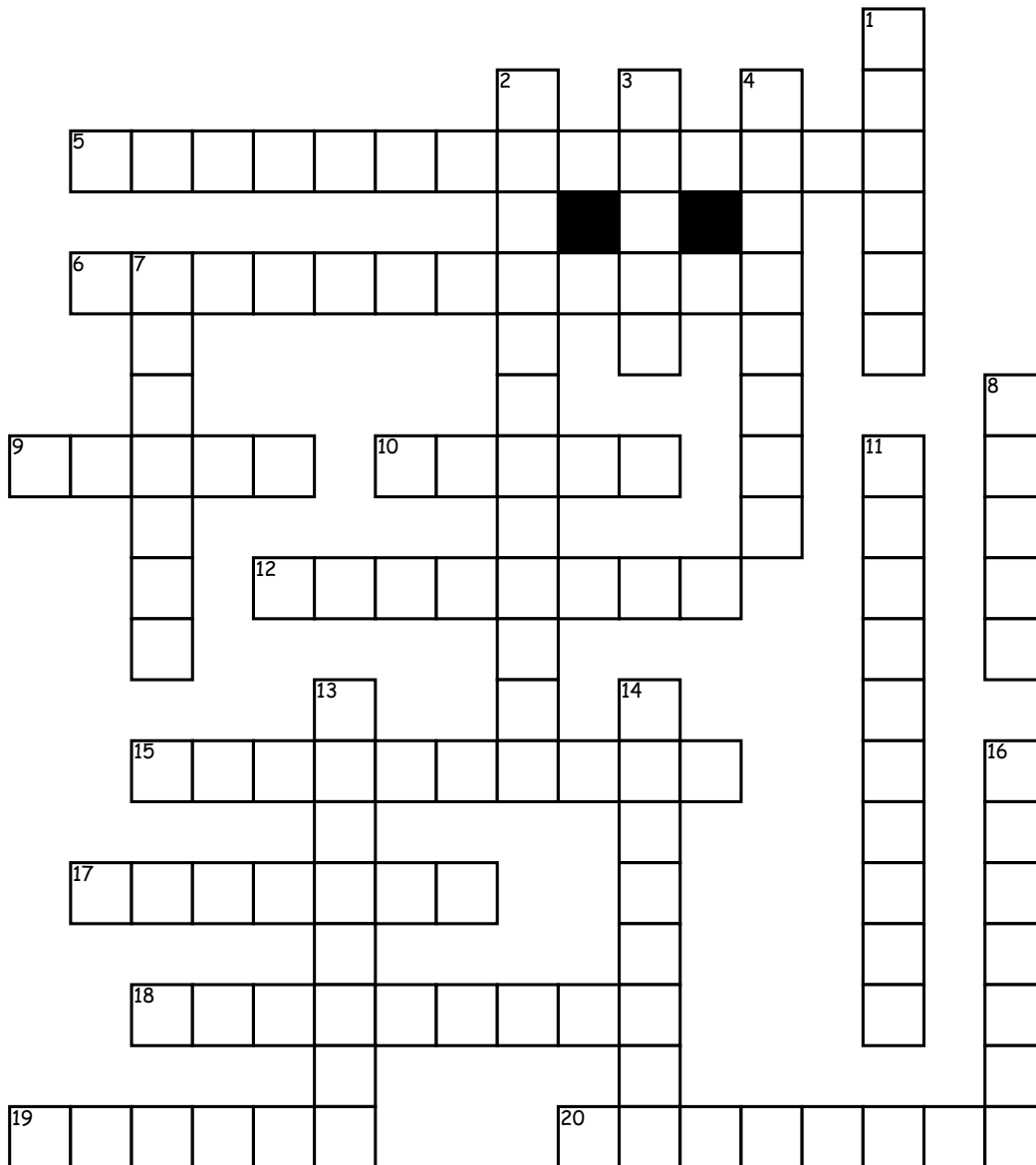


Name: _____ Date: _____ Period: _____

Quarter 4 science



Across

5. the starting point used to describe the motion or position of an object
6. the distance between your final and starting position
9. Newton's _____ law explains the effect of balanced forces of an object
10. a push or pull that an object exerts onto another object
12. a contact force that resists the sliding motion between two objects that are touching
15. 15N to the left is a _____ force

17. is a push or pull on an object by another object that is touching it

18. when two objects exert forces on each other

19. Newton's _____ law states that the acceleration of an object equals the net force exerted on an object divided by its mass

20. the speed and direction of an objects motion

Down

1. the process of changing position
2. end speed-start speed divided by time =
3. distance divided by time =

4. the total length of your path of motion

7. the tendency of an object to resist an change in its motion

8. Newton's _____ law states that when one object exerts force on a second object exerts a force the same size but in the opposite direction of the first object

11. a push or pull on an object by another object without touching it

13. 0 newtons

14. the sum of all forces acting on an object

16. the noncontact attractive force existing between all objects with mass