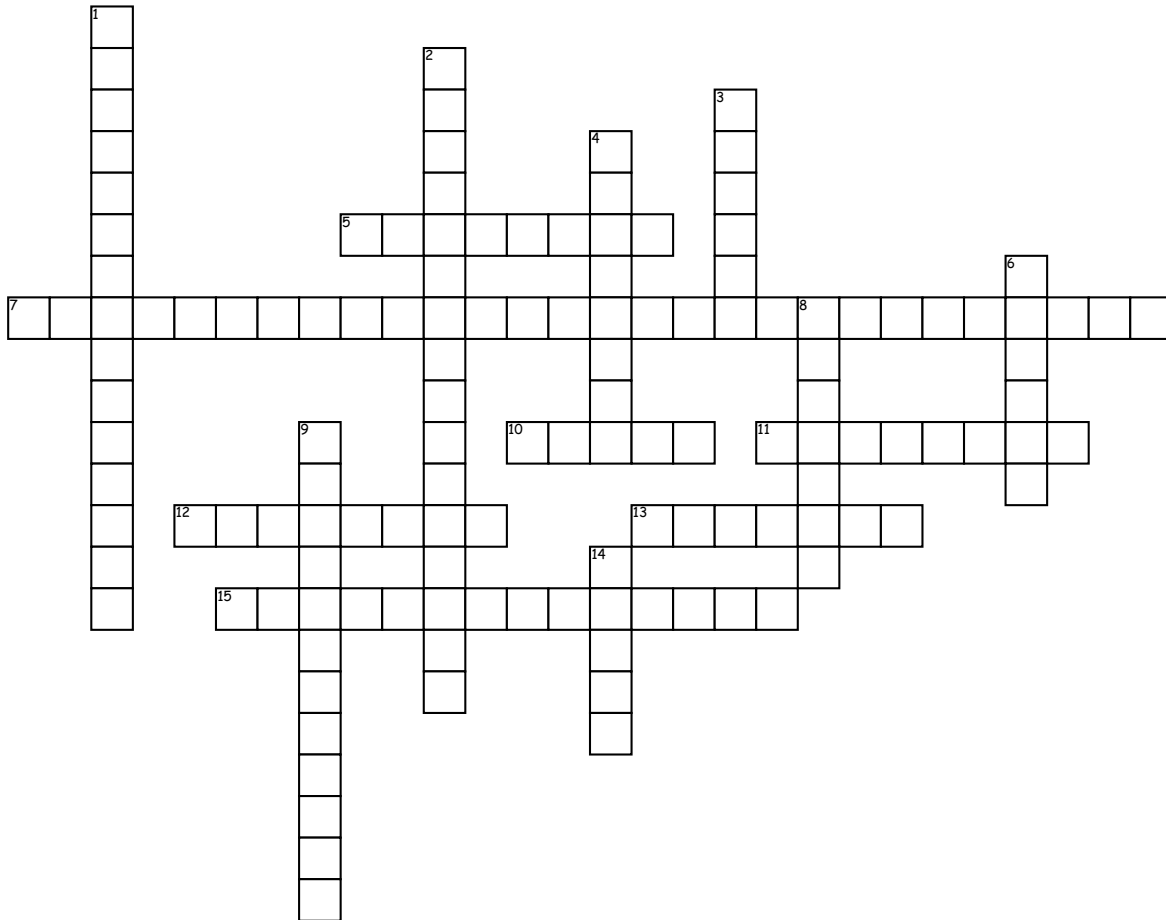


# FORCE AND MOTION



## Across

5. The speed and direction of a moving object

7. Potential energy due to an objects position

10. How fast an object's position is changing with time at any moment

11. Opposes the motion of one object moving past another

12. The force with which an object responds to an action

13. Force pushing objects towards the earth

15. Two forces acting in opposite directions on an object

## Down

1. Energy that is stored and waiting to be used

2. When balanced forces act on an object at rest; the object will not move

3. The force one object applies to a second

4. Sum of all the forces on an object

6. The SI unit of force

8. The tendency of an object to resist a change in its state of motion

9. A change in velocity

14. A push or pull