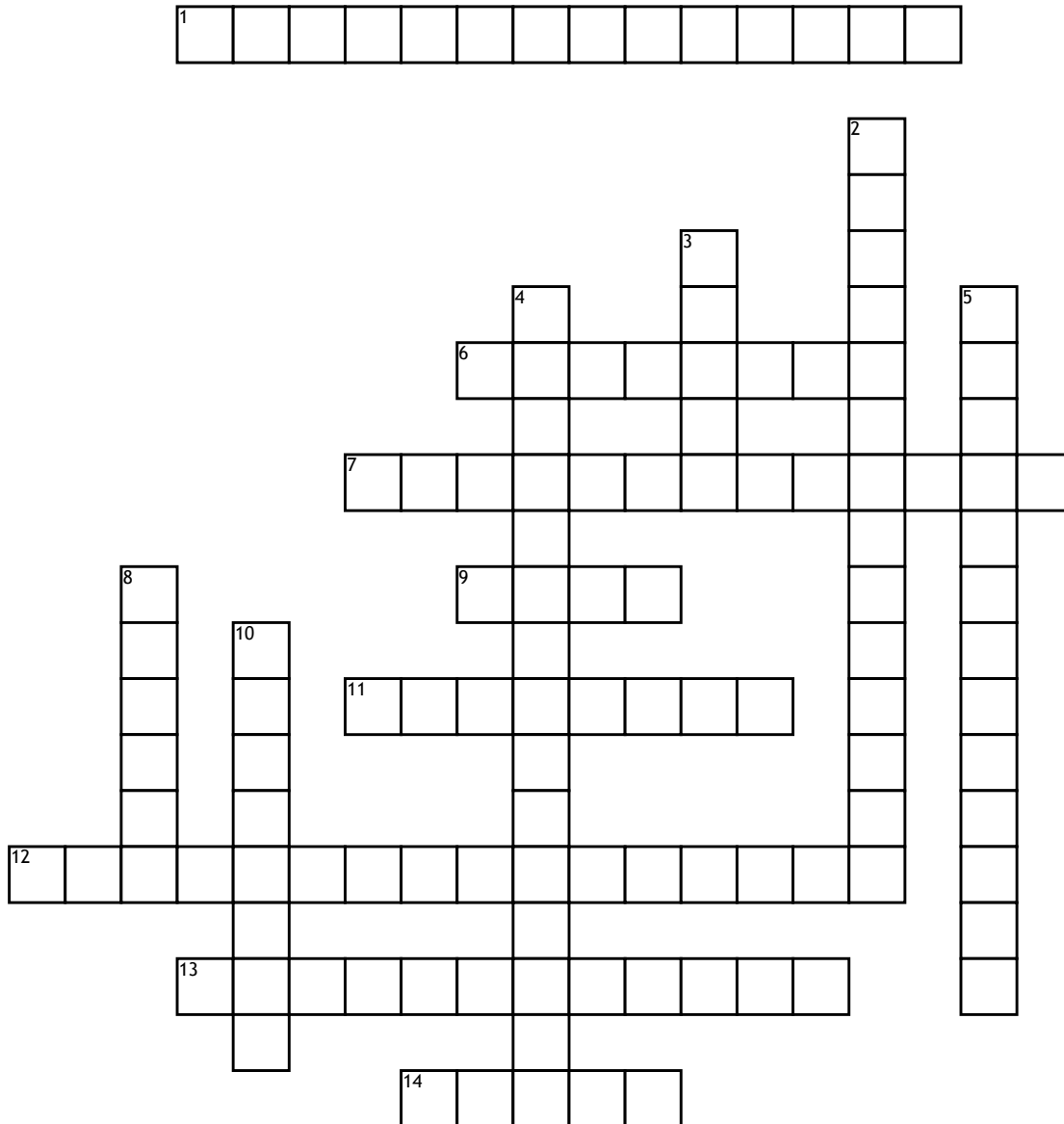


MOTION



Across

- 1. when a force is applied on an object an equal force is applied on the object in the opposite direction
- 6. tendency to resist a change in motion
- 7. 2 equal forces that cancel each other because they are acting in opposite direction
- 9. amount of matter in an object
- 11. force that resists motion between 2 touching objects

- 12. object will stay at rest or will keep moving in a straight line unless acted on by an outside force to make it stop
 - 13. force of an object divided by mass of an object
 - 14. distance traveled divided by the time need to travel
- Down**
- 2. a total force acting on an object cause the object to accelerate in the opposite direction
 - 3. push or pull of an object
 - 4. an objects motion will change if an unbalanced force acts on it
 - 5. Air Resistance
 - 8. measure of the strength of Earths gravitational pull
 - 10. difference between the final position and the initial position if motion is in a straight line