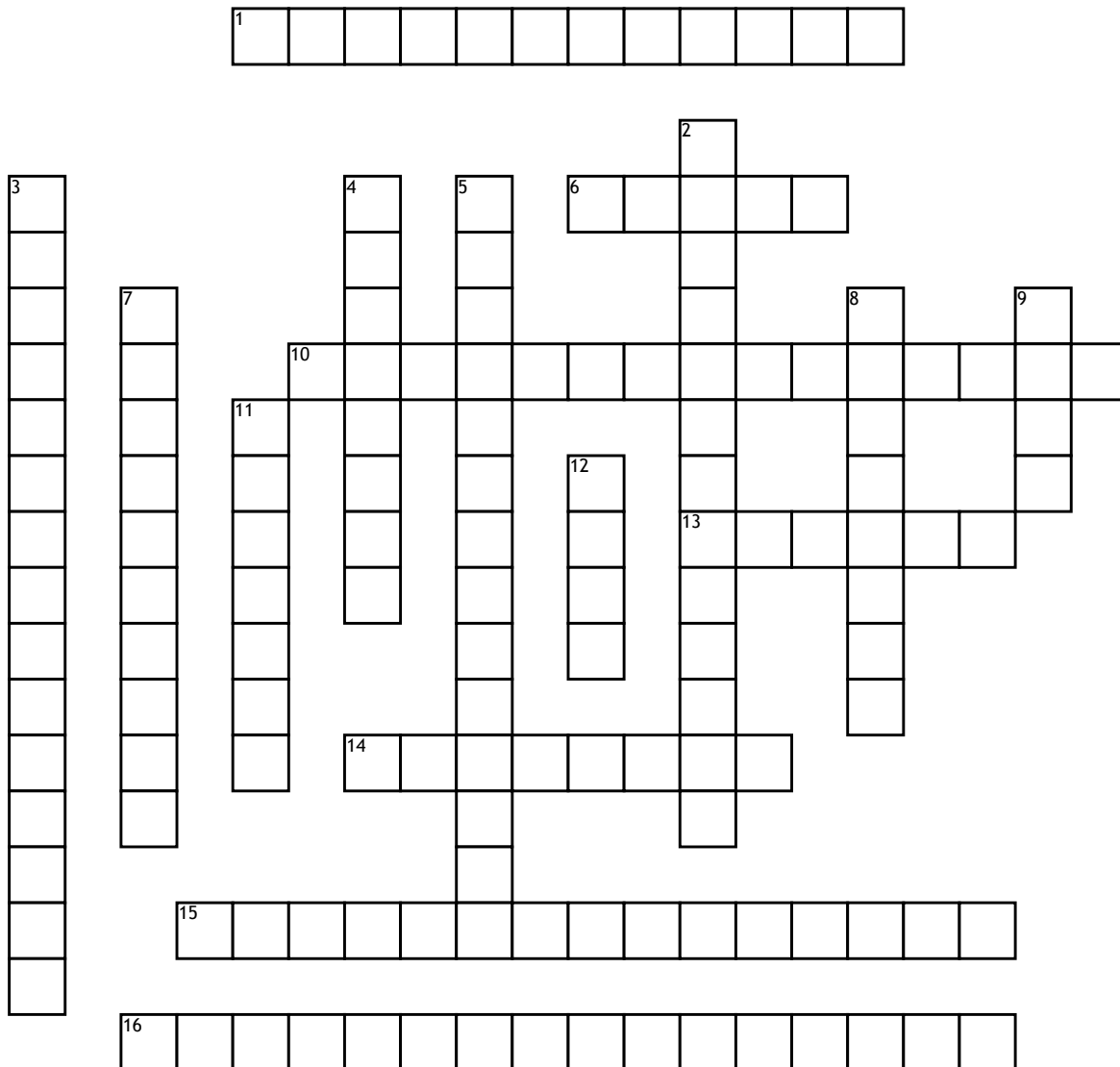


Forces and Motion



Across

1. Velocity changes at what rate?
6. The rate at which an object moves
10. For every action there is an equal and opposite reaction
13. The unit of measurement for strength of force
14. The total force acting on an object

15. Friction of surfaces sliding across each other

16. Forces that are not balanced

Down

2. Force that is acting in the opposite direction
3. Any object in motion will continue to move in the same direction and speed unless forces act on it
4. The product of mass and velocity

5. Friction occurring at rest

7. The ability of a material to return to their original shape after being stretched

8. The resistance of one surface encountering another when moving

9. The amount of matter in an object

11. The force attracting your body to the centre of the earth

12. A force is a push or ...