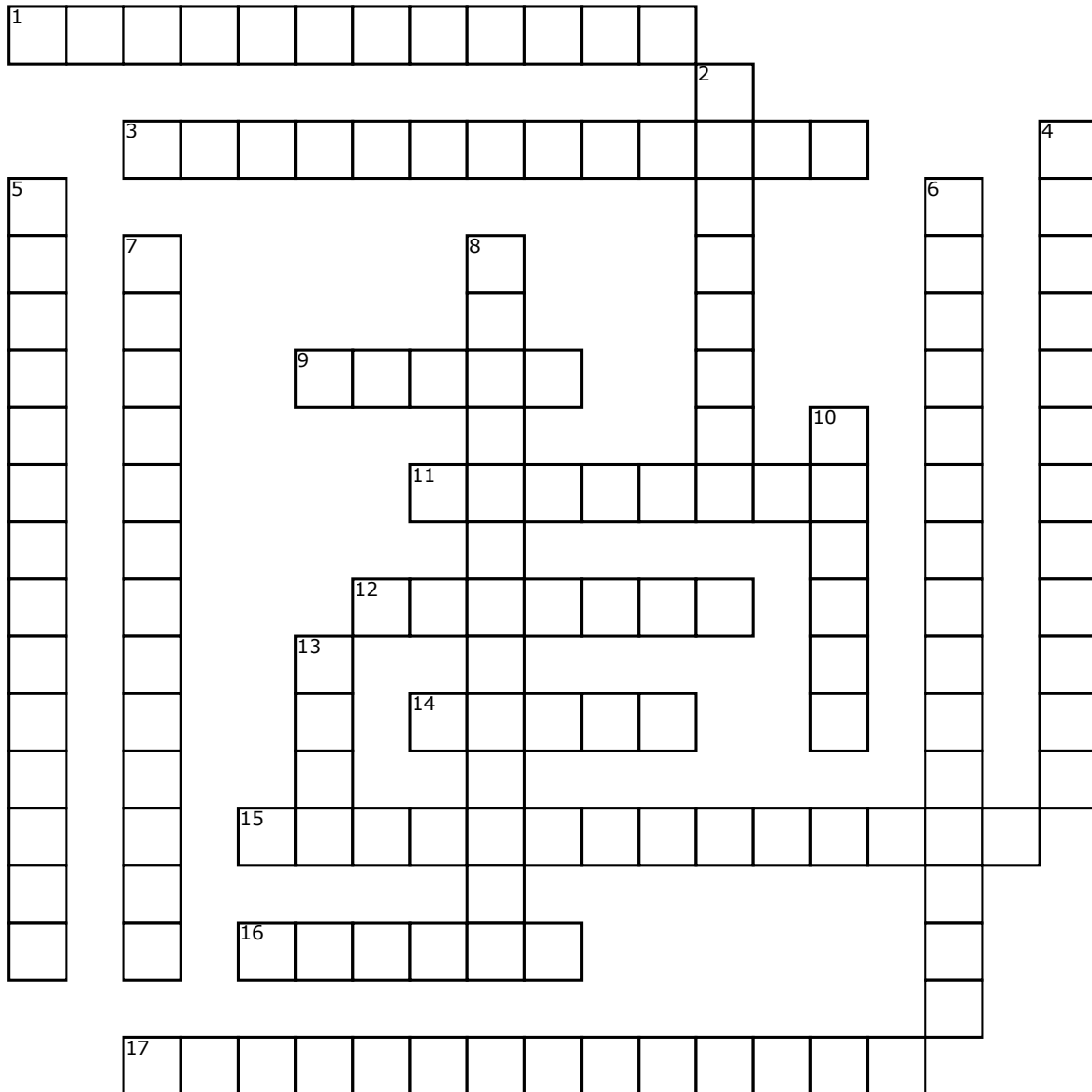


Science Crossword



Across

- 1. F (force)/M (mass) force of an object divided by the mass of an object
- 3. Two equal forces that cancel each other because they are acting in opposite directions
- 9. Push or Pull on an object
- 11. Difference between the final position and the initial position if motion is in a straight line
- 12. Tendency to resist a change in motion
- 14. Distance traveled divided by the time need to travel
- 15. Object will stay at rest or will keep moving in a straight line unless acted on by an outside force to make it stop

- 16. A wheel with a grooved rim around which a cord passes. it acts to change the direction of a force applied to the cord and is chiefly used to raise heavy weights
- 17. When a force is applied on an object, an equal force is applied on the object in the opposite direction

Down

- 2. Force that resists motion between two touching surfaces
- 4. A simple lifting machine consisting of a rope that unwinds from a wheel onto a cylindrical drum or shaft joined to the wheel to mechanical advantage provide
- 5. A total force acting on an object cause the object to accelerate in the opposite direction
- 6. An object's motion will change if an unbalanced force acts on it

- 7. Friction of air
- 8. A plane inclined at an angle to the horizontal
- 10. Measure of the strength of Earth's gravitational pull - When you go to the moon, this becomes lighter!
- 13. Amount of matter in an object - When you go to the moon this will not change!