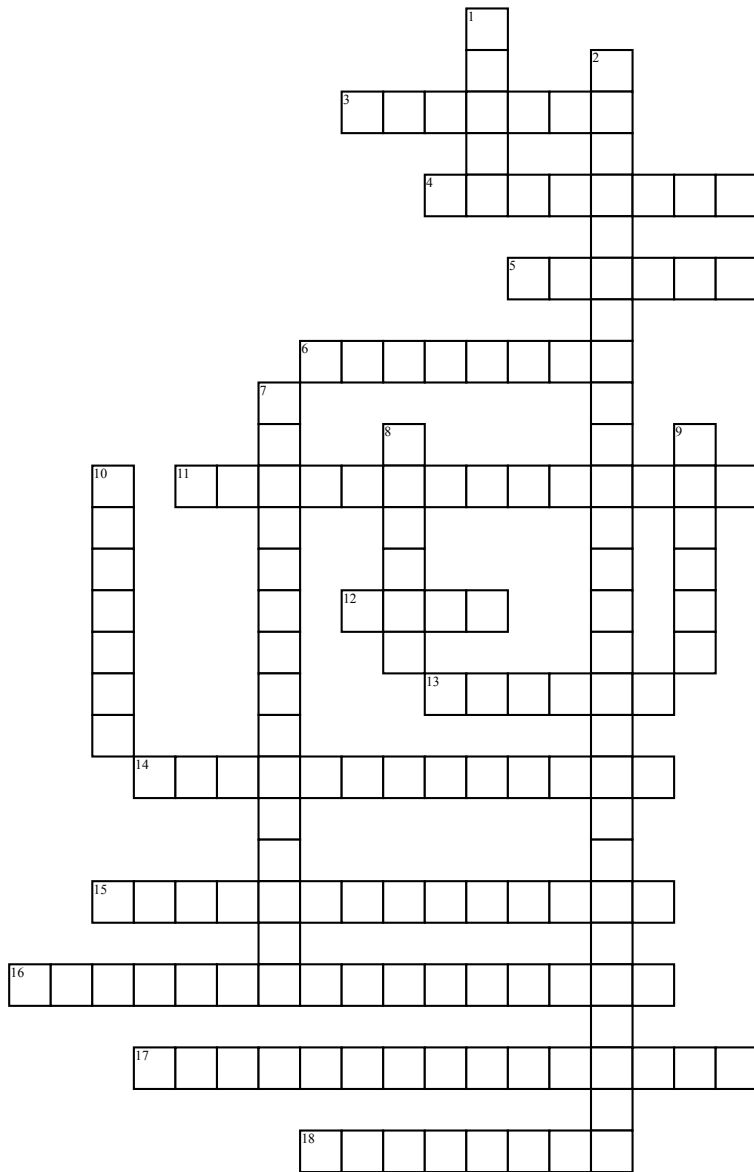


Force Crossword



Across

- 3. the tendency of an object to resist any change in its motion
- 4. the overall force on an object when all the individual forces acting on it are added together
- 5. having direction and magnitude
- 6. the force that one surface exerts on another when the two surfaces rub against each other; a method of charging an object by rubbing it against another object
- 11. equal forces acting on an object un opposite directions
- 12. a measure of how much matter us in an object

- 13. a unit of measure that equals the force required to accelerate 1 km of mass at 1 meter per second per second
- 14. friction that occurs as an object moves through a fluid
- 15. friction that acts on objects that are not moving
- 16. forces that produce a nonzero net force, which changes an object's motion
- 17. friction that occurs when one solid surface slides over another
- 18. the product if an object's mass and velocity

Down

- 1. a push or pull exerted on an object
- 2. the rule that in the absence of outside forces the total momentum of objects that interact does not change
- 7. friction that occurs when an object rolls over a surface
- 8. only magnitude, not direction
- 9. a measure of the force of gravity on an object
- 10. the force that pulls toward each other