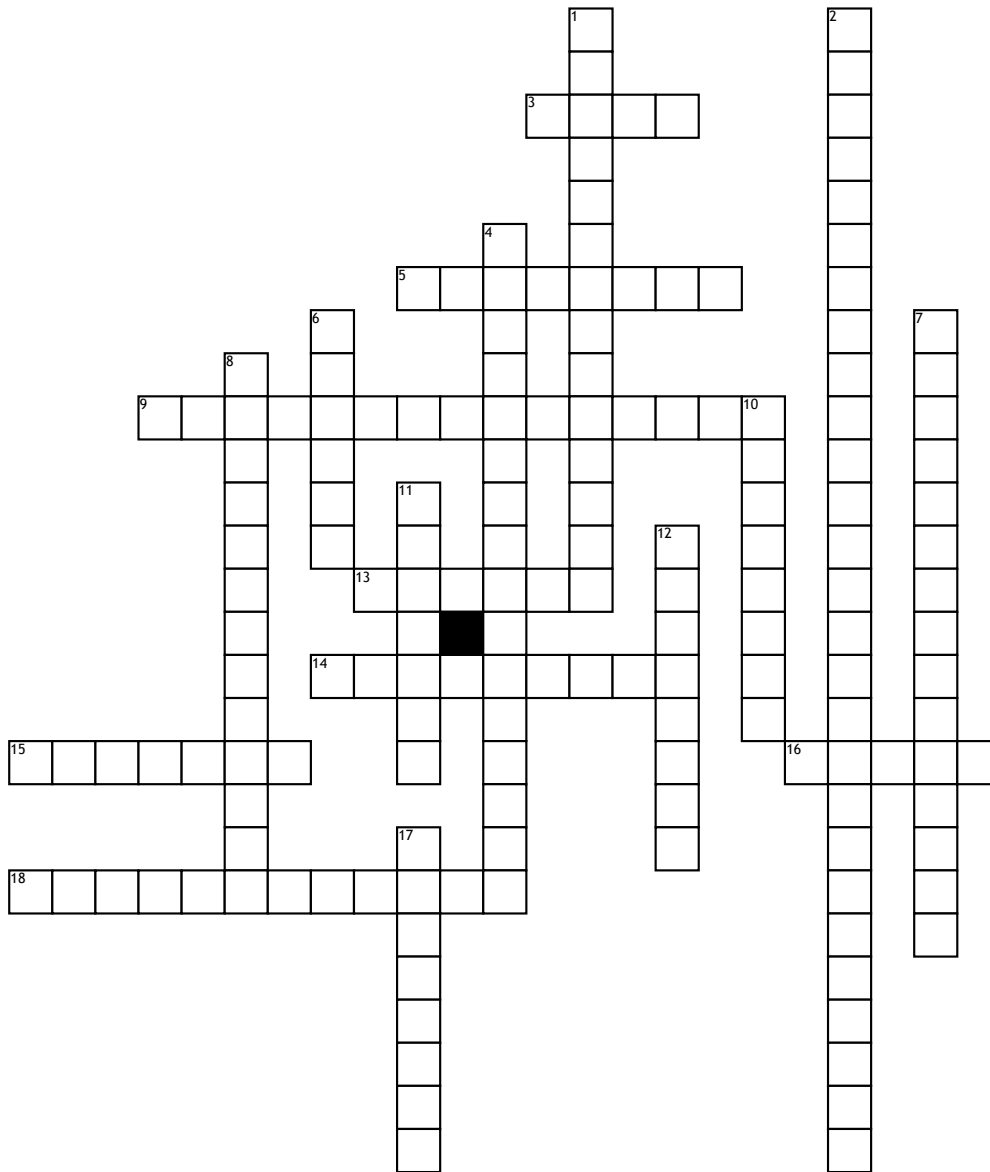


Name: _____

force



Across

3. what measures how much matter is in an object?
5. what do you call the motion of a falling object when the only force acting on it is gravity?
9. what do you call it when an object rolls over a surface?
13. what is the SI unit of force?
14. what do you call an object that orbits around another object in space?
15. when do you call it when objects move downhill?
16. what a push or pull on an object?

18. what do you call the upward force exerted by a fluid on a submerged object?

Down

1. what do you call it when friction acts between objects that aren't moving?
2. what do you call the principle that the total amount of matter is neither created nor destroyed during any chemical or physical change?
4. what do you call a force that causes an object to move in a circle?
6. what measures the force of gravity acting on an object?

7. what do you call it when one solid surface slides over another?

8. what do you call it when an object moves through a fluid?
10. what do you call it when an overall force on an object when all the individual forces acting on it are added together?
11. what do you call it when an object resist a change in motion?
12. what do you call the product of an object's mass and velocity?
17. what do you call it when two surfaces exert on each other when they rub against each other?