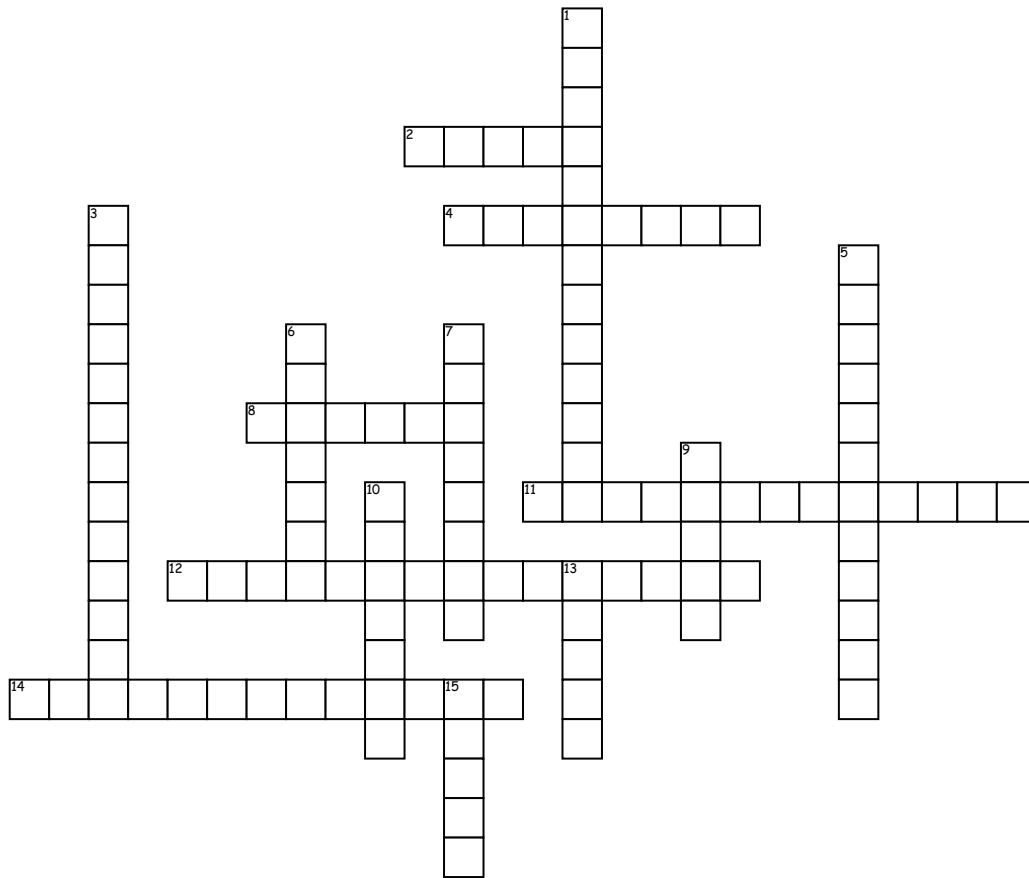


Name: _____

Date: _____

Force and Motion!



Across

2. What is the equation to find mass?
4. What is the rubbing of one object against another?
8. What is the force of gravity on an object?
11. What law says that every action has an equal and opposite reaction?
12. What is a force on an object that are not equal and cause the object to move?

14. What law says that an object at rest or an object in motion will stay that way unless acted upon by an outside force?

Down

1. What is an act on an object in opposite directions that causes no change in motion?
3. What law shows the relationship among force, mass, and acceleration?
5. What is the change in velocity of an object?

6. What is the tendency of the motion of an object to remain constant?

7. What is the total amount of the force action on an object?

9. What is a push or pull on an object and is measured in Newtons?

10. What is the force that pulls objects towards each other without direct contact?

13. What is the equation to find force?

15. What is the equation to find acceleration?

Word Bank

Newtons 1st Law

Gravity

 $M = F/A$

Acceleration

 $F = M \times A$

Newton's 2nd Law

Balanced Force

Net Force

 $A = F/M$

Unbalanced Force

Weight

Newton's 3rd Law

Force

Friction

Inertia