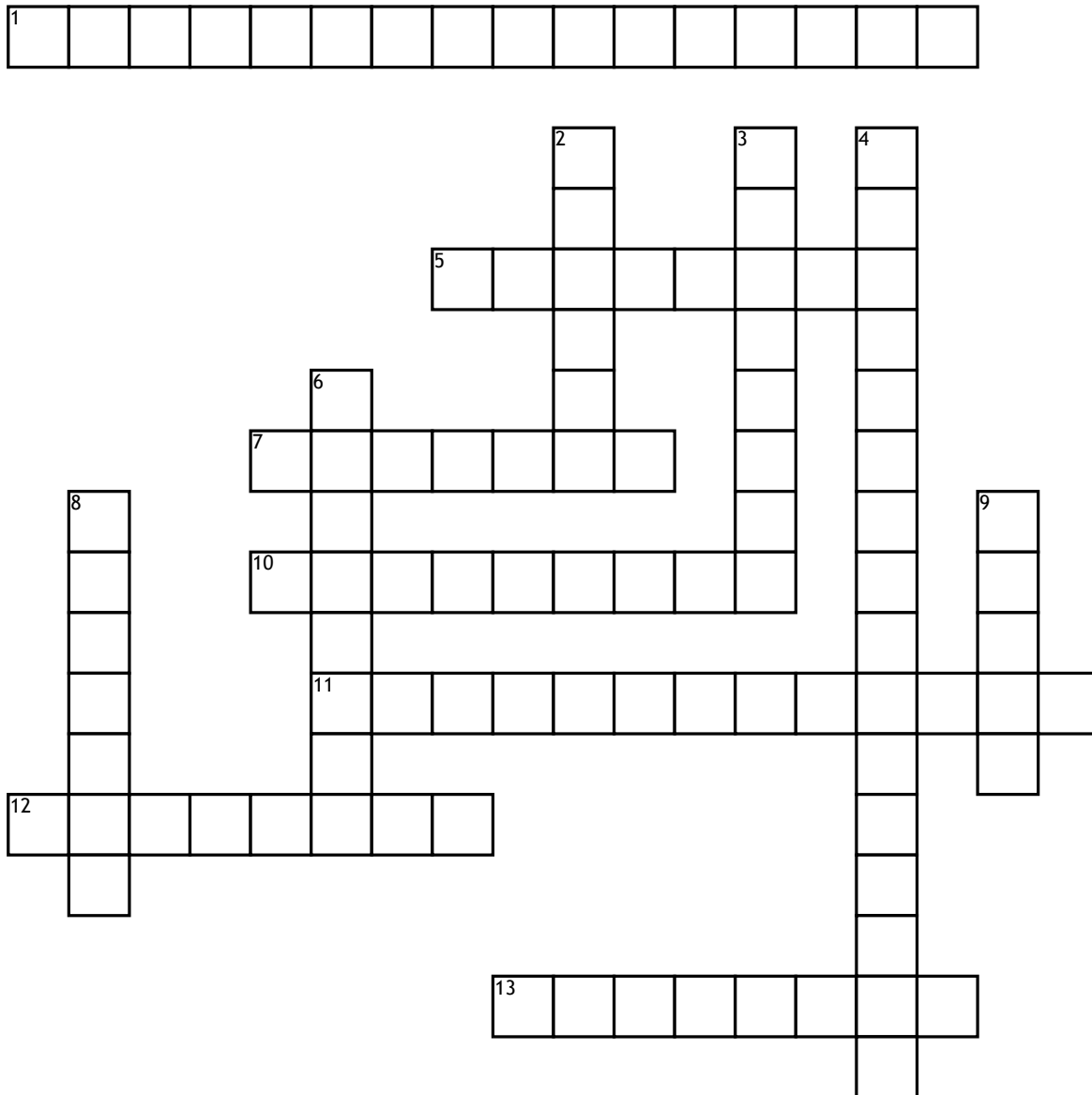


Name: _____

Date: _____

Forces and Newton's Laws



Across

1. the maximum speed an object will reach when falling

5. the force that opposes the sliding motion of two surfaces that are touching each other

7. an attractive force between any two objects that depends on the masses of the objects and the distance between them

10. states an object's acceleration is in the same direction as the net force

11. force that opposes motion through the air

12. states that an object moves at a constant velocity unless a net force acts on it

13. sum of all the forces acting on an object

Down

2. the gravitational force exerted on an object

3. states that when one object exerts a force on a second object, the second object exerts an equal and opposite force on the first

4. force exerted toward the center of a curved path

6. gravity is the only force acting on an object

8. the tendency of an object to resist any change in its motion

9. A push or pull