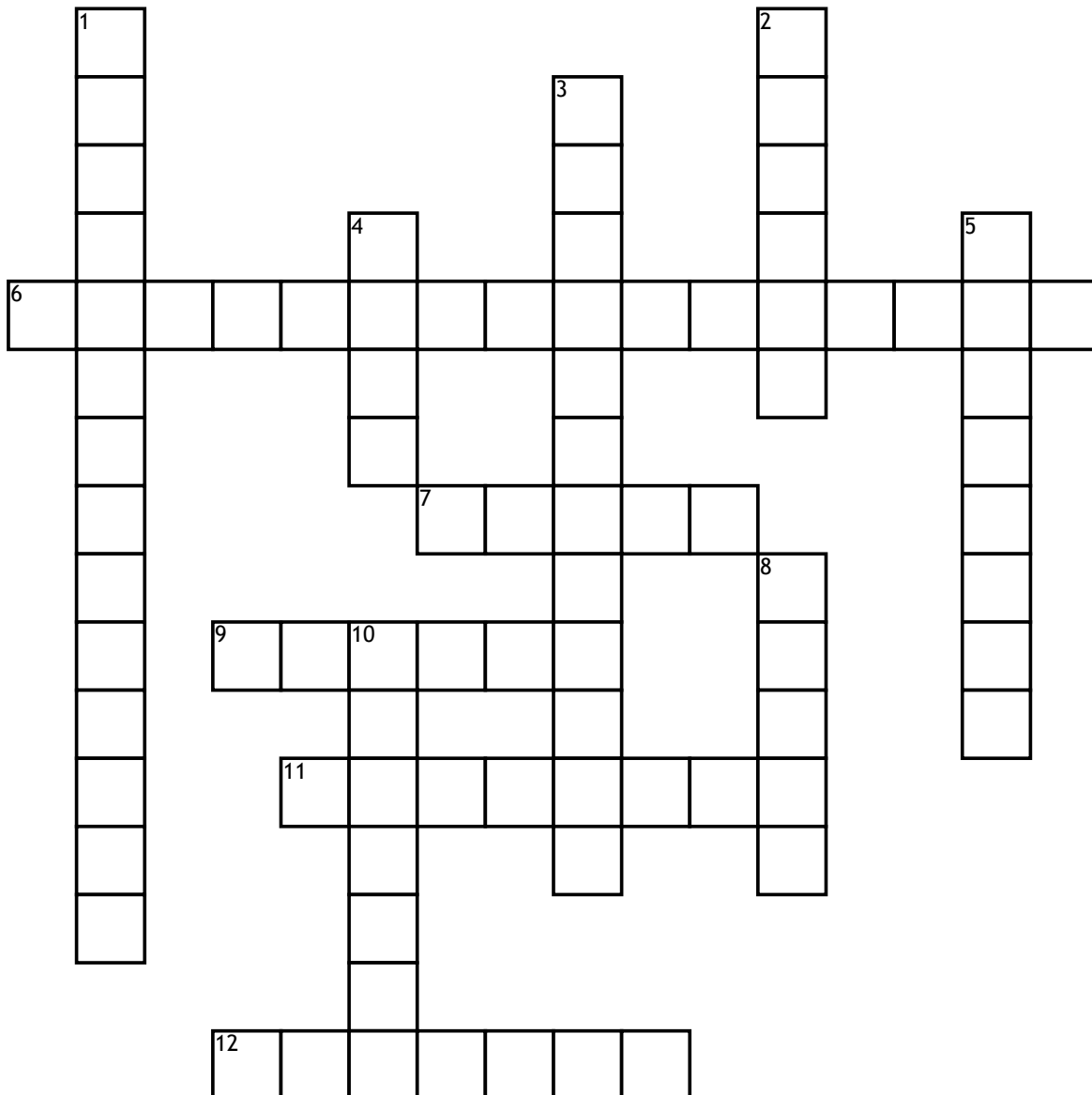


Name: _____

Date: _____

Force and motion



Across

6. A condition when opposite forces acting on an object are not equal

7. Any push or pull that could cause a change in motion

9. A body's relative mass or the quantity of matter contained by it

11. The sum of all the forces in a system

12. The force that attracts a body toward the center of the earth

Down

1. A condition when opposite forces acting on an object are equal

2. Occurs when an object changes its position relative to a reference point that is chosen

3. The rate at which an object velocity is changing over time

4. Is a measurement of the quantity of matter in an object

5. The speed and direction in which an object is moving

8. The distance an object travels during an amount of time

10. A tendency to do nothing or to remain unchanged