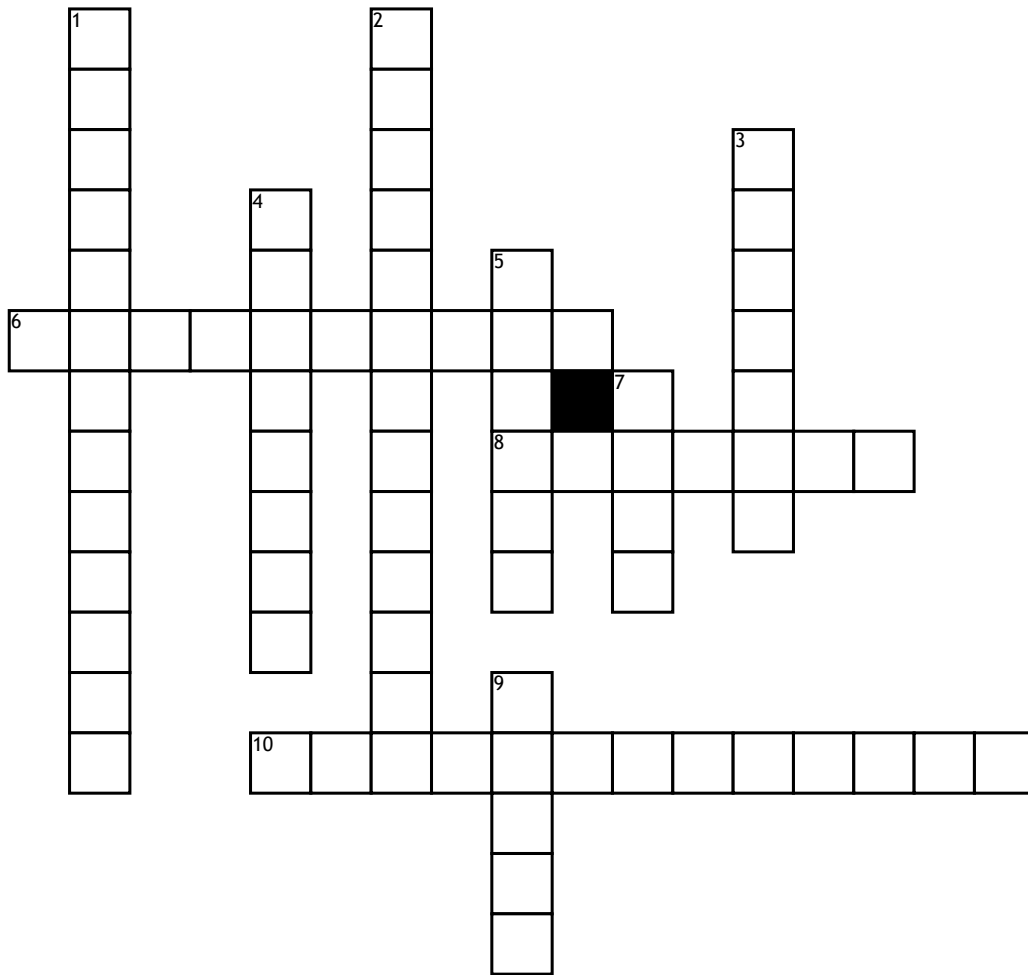


Motion



Across

6. the forces are unequal

8. the force that attracts a body toward the center of the earth, or toward any other physical body having mass

10. equal and opposite reaction

Down

1. inertia

2. $F=ma$

3. a tendency to do nothing or to remain unchanged:

4. the forces are equal

5. a body's relative mass or the quantity of matter contained by it, giving rise to a downward force; the heaviness of a person or thing:

7. Measure of the resistance of a physical body and its susceptibility to gravitational attraction

9. strength or energy as an attribute of physical action or movement

Word Bank

force

newtons 3rd law

weight

Newtons 2nd law

balanced

inertia

Newtons 1st law

unbalances

gravity

mass