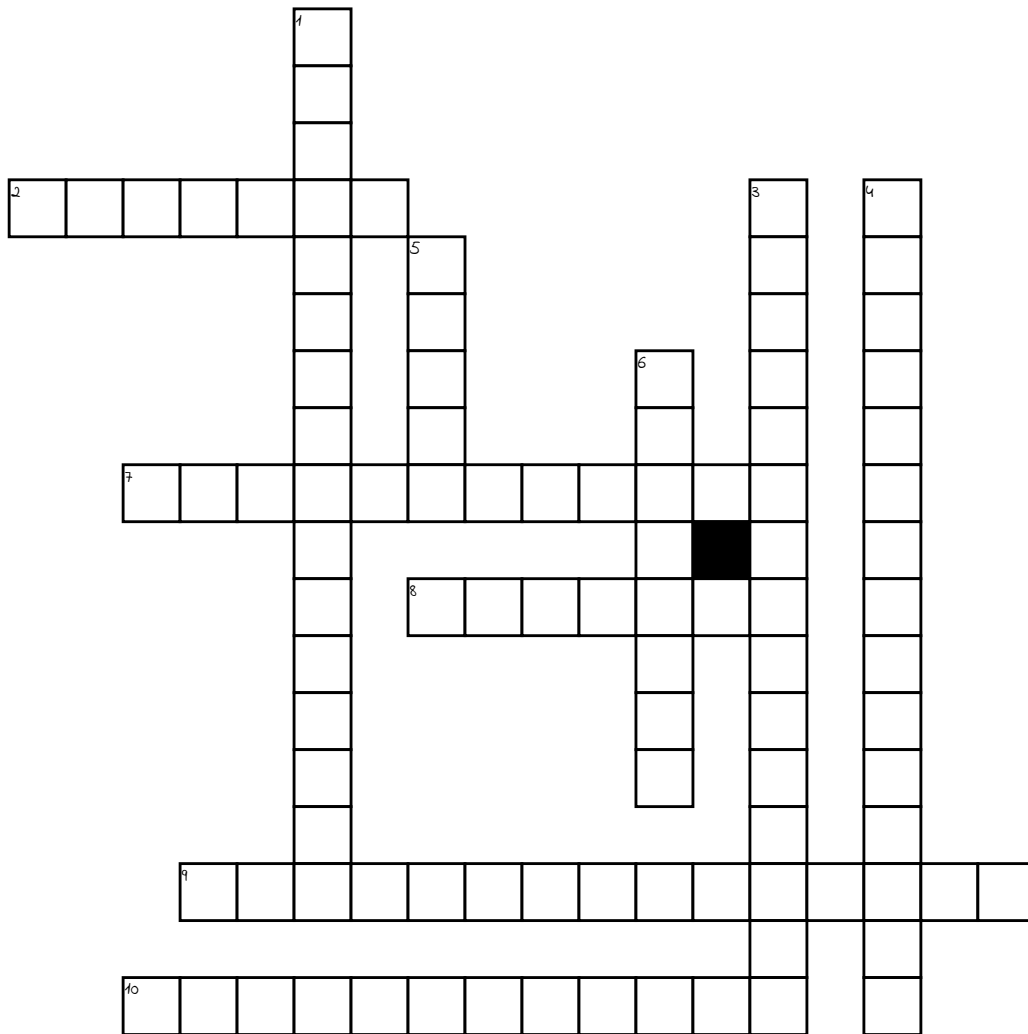


Name: _____

Date: _____

Forces and Newton's laws



Across

- 2. a force of attraction between any two objects
- 7. the rate at which the speed or the direction of motion of an object changes over time
- 8. tendency of an object to resist any change in motion
- 9. when one object exerts a force on a second object, the second object exerts a force on the first
- 10. a force that requires two pieces of matter to touch

Down

- 1. the greater the mass of the object, the smaller its change in motion will be for a given force; the greater the force applied, the greater the change in motion for a given mass
- 3. a force that acts at a distance
- 4. an object will stay in uniform motion unless a net force acts on the object
- 5. a push or pull that acts on an object
- 6. the force that results when two materials rub against each other

Word Bank

non-contact force

force

Newton's First Law

inertia

contact force

friction

Newton's Second Law

acceleration

gravity

Newton's Third Law