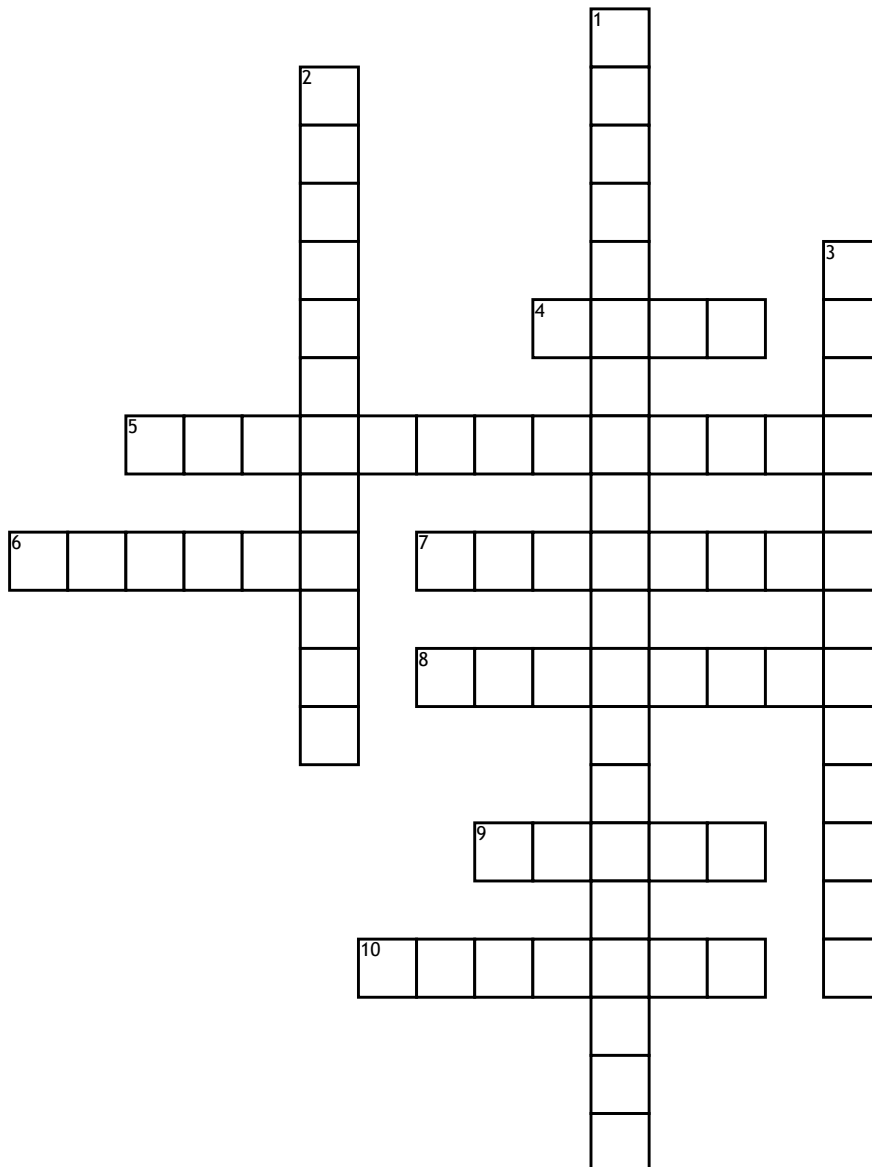


Intro to Dynamics



Across

- 4. the quantity of matter an object contains
- 5. friction due to motion of an object through air
- 6. the force that gravity exerts on an object because of its mass
- 7. a force that resists motion
- 8. a situation in which gravity is the only force acting on an object
- 9. an action, like a force or a pull that causes change in motion

- 10. the natural tendency of an object to resist any change in motion which is dependent on its mass

Down

- 1. also known as uniform acceleration
- 2. the rate of change of velocity of an object
- 3. any force exerted on an object that is not part of its system