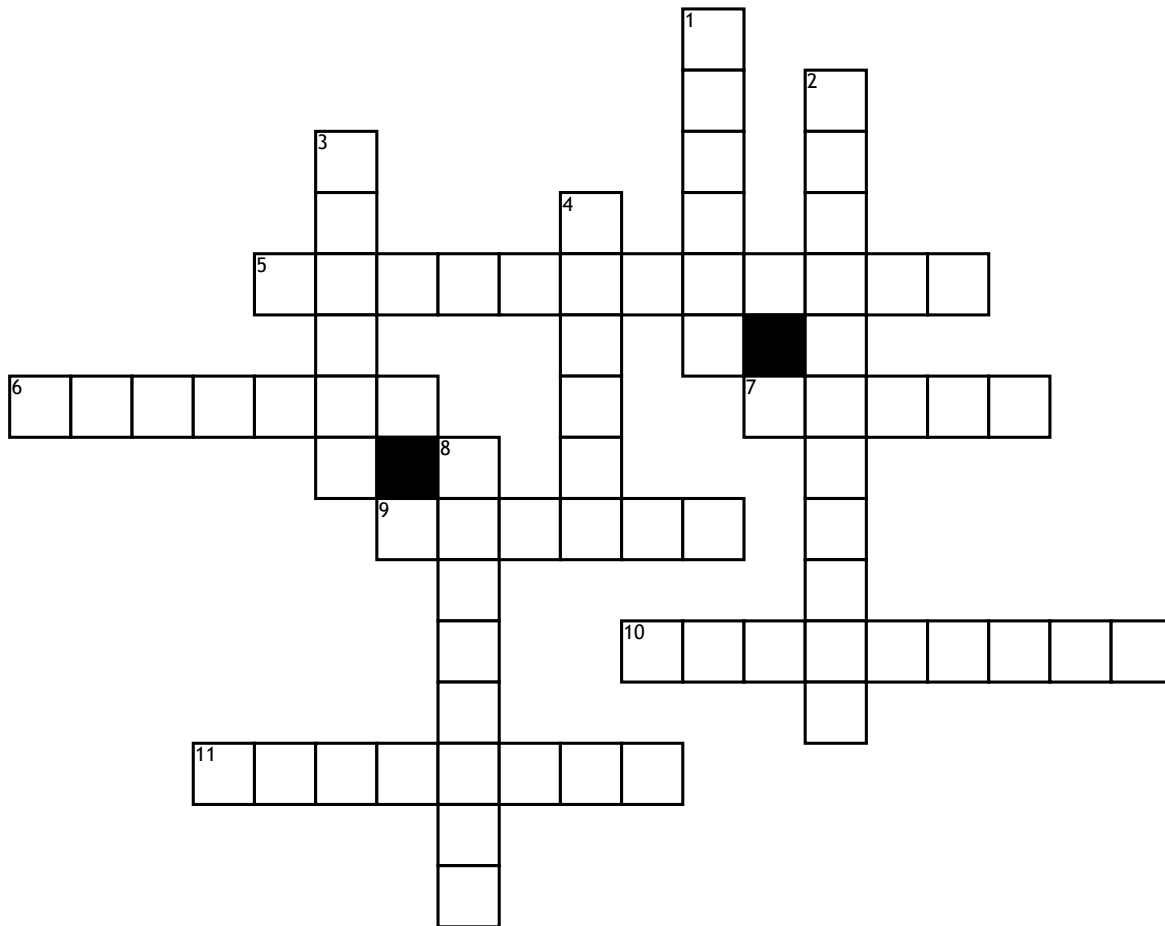


Forces in motion



Across

5. Rate of change of velocity
 6. Unit of force
 7. Newton's law that states that an object will remain at rest or moving at a constant velocity unless acted upon by an external force
 9. Quantity with magnitude and direction
 10. Overall force

11. when drag = weight, a type of velocity

Down

1. Quantity with only magnitude
 2. When forces are balanced
 3. Which of Newton's laws concludes that $F=ma$?
 4. force due to gravity
 8. Rate of change of displacement