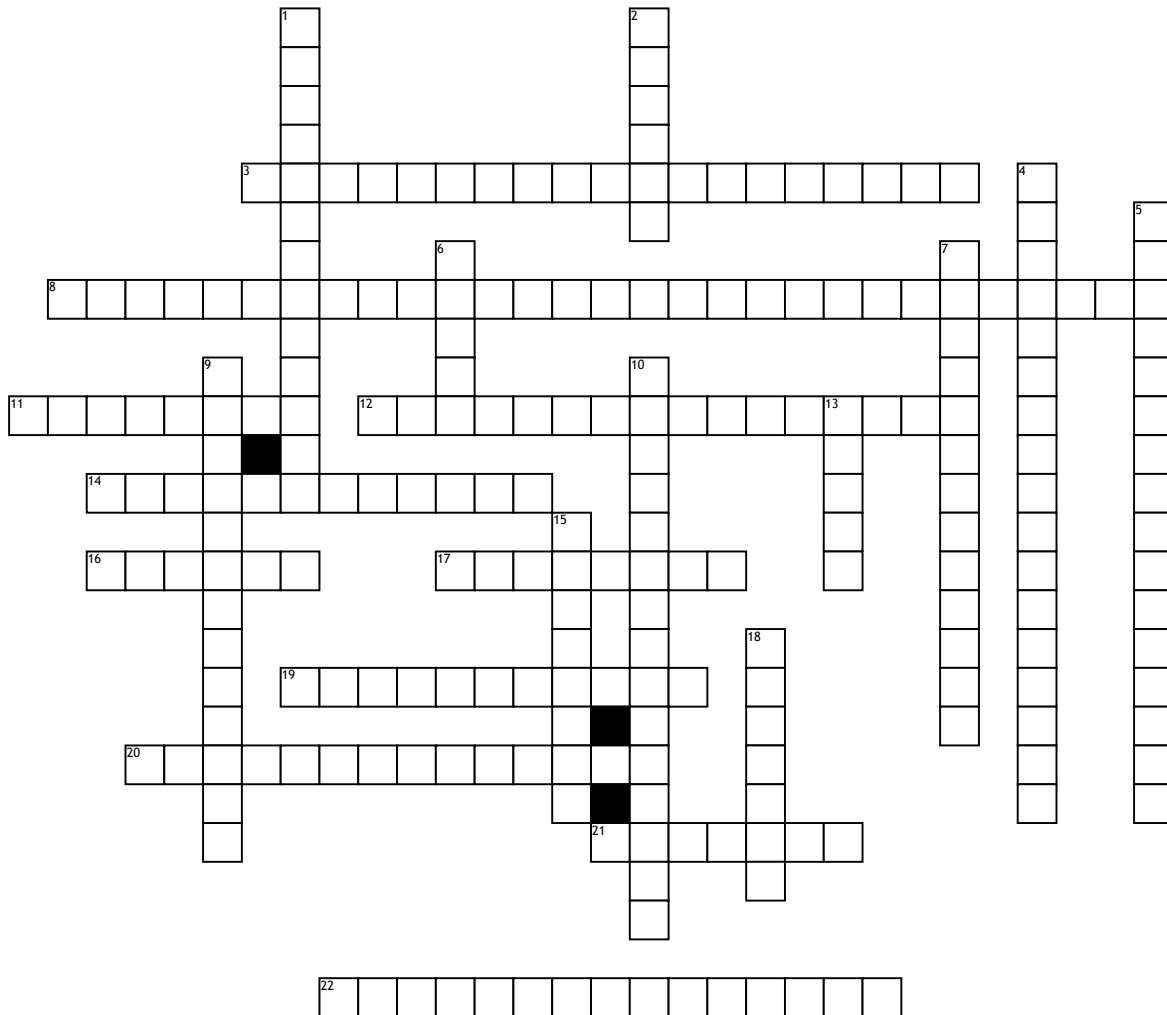


# Motion



**Across**

- 3. The law that states "An object at rest stays at rest unless acted upon by an unbalanced force"
- 8. The Law that states "For every action, there is an equal and opposite reaction"
- 11. A force that opposes the motion of an object
- 12. When energy is converted from one type to another
- 14. A change in velocity in respect of time
- 16. The word explaining something that is moving
- 17. The mass of an object multiplied by its velocity

- 19. A scale using force to push a spring down creating weight measurement
- 20. An English man who created science behind motion
- 21. Earths force to keep everything on the planet
- 22. A force that causes an object to change motion

**Down**

- 1. An upward force caused by air
- 2. A measurement Equal to one kg
- 4. The law that states "Force = Mass x Acceleration"

- 5. A force that acts on a body moving in a circular path continuously
- 6. A push or pull on an object
- 7. A force that acts together on an object without changing motion
- 9. Motion is also known as what type of energy?
- 10. When an object is at rest and is gaining energy
- 13. How quickly an object's motion is moving
- 15. The speed and direction of a moving object
- 18. A tendency of not changing motion