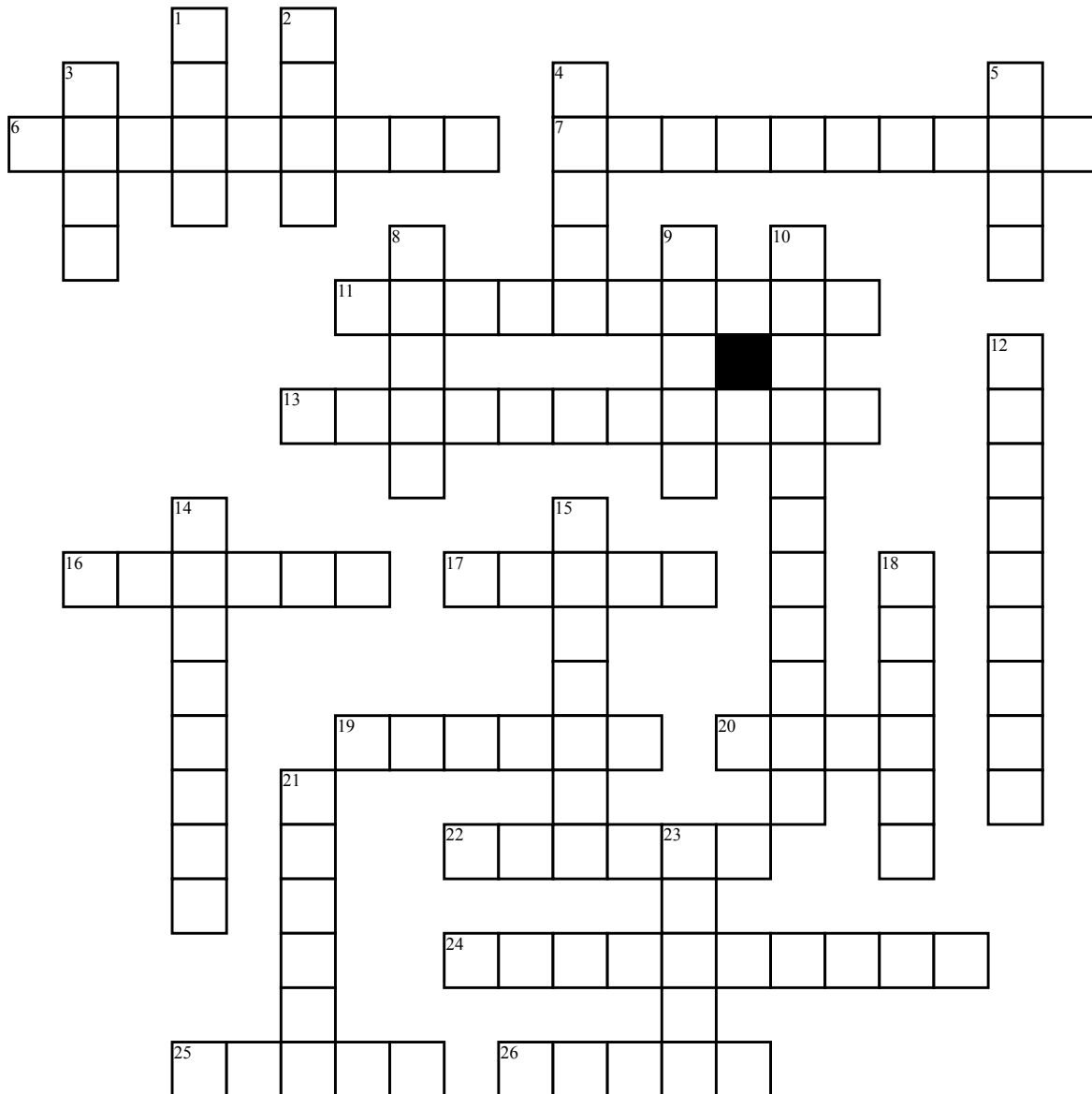


# Work, Power, and Energy



**Across**

- 6. When energy is the same throughout a ride, we say the energy is \_\_\_\_\_
- 7. What is the TME of a rollercoaster that has 50 J of PE and 50 J of KE? (2 Words)
- 11. What is another unit of measure for Power?
- 13. A power plant transforms mechanical energy to \_\_\_\_\_ energy
- 16. The mass x gravity equals the \_\_\_\_\_
- 17. Weight does not \_\_\_\_\_ mass.
- 19. To increase Kinetic Energy, you would move \_\_\_\_\_
- 20. What is the unit of power?
- 22. The more Kinetic Energy a car has, the \_\_\_\_\_ the force needed to stop it.

- 24. If you weigh 6000 N, what is your mass is approximately \_\_\_\_\_ kg
  - 25. Weight is also known as a \_\_\_\_\_
  - 26. This scientist discovered alternating current and we currently use it today.
- Down**
- 1. To get weight you would multiply \_\_\_\_\_ x 'g'
  - 2. The larger the distance the less force needed to do \_\_\_\_\_
  - 3. If you weigh more, you do \_\_\_\_\_ work when running up the stairs.
  - 4. The unit for GPE \_\_\_\_\_
  - 5. The higher a rollercoaster goes, the \_\_\_\_\_ KE you have
  - 8. The faster you run up the stairs, the greater your \_\_\_\_\_.

- 9. The formula for Work is \_\_\_\_\_ x Distance
- 10. \_\_\_\_\_ force helps you to stay in a loop on a rollercoaster.
- 12. Where does all the energy of a rollercoaster come from? (2 Words)
- 14. To change your weight you would change your \_\_\_\_\_ from the center of Earth.
- 15. This type of energy is present in an atom.
- 18. The scientist who discovered the Laws of Motion \_\_\_\_\_
- 21. Mass is the amount of \_\_\_\_\_ in an object.
- 23. If you use a ramp to lift a box and your friend lifts the box with his arms, \_\_\_\_\_ work is done.