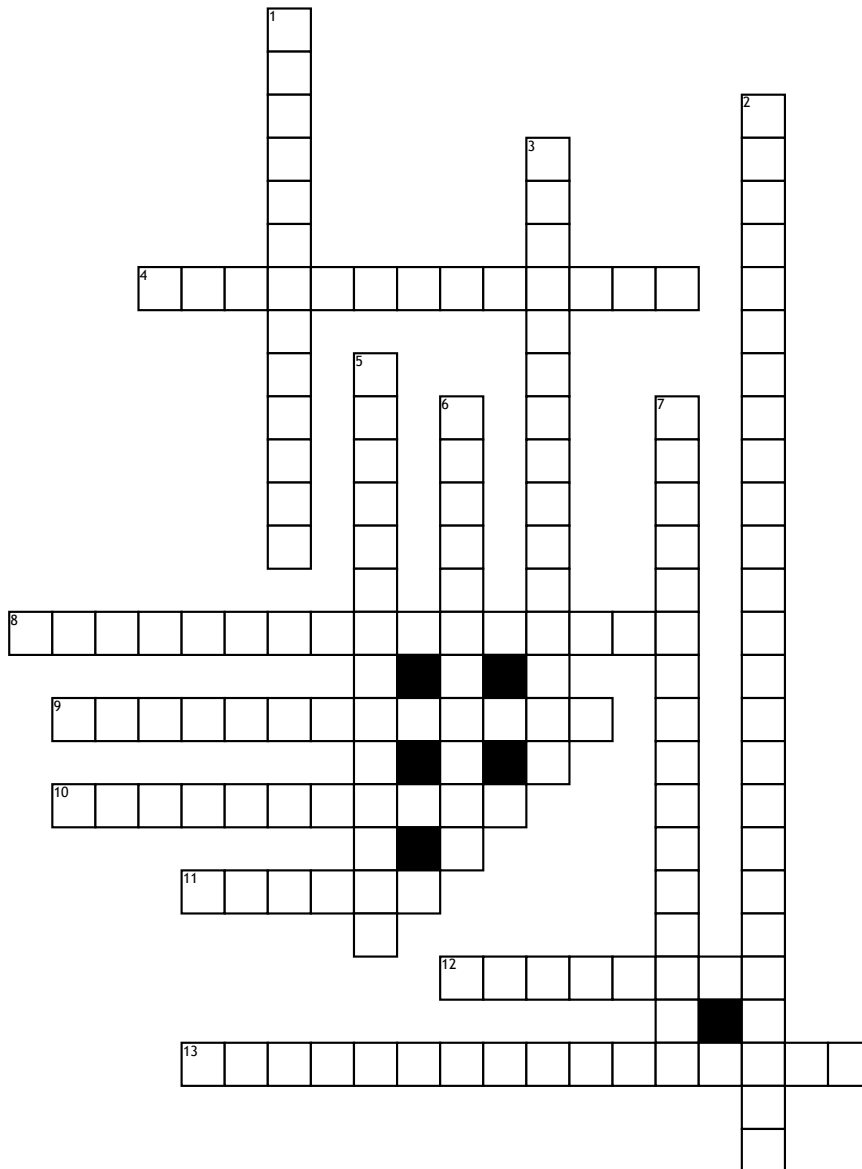


# Science is fun



**Across**

- 4. The energy released during nuclear fission or fusion
- 8. The energy associated with the motion and position of an object
- 9. Energy that a body possesses by virtue of being in motion
- 10. The form of energy associated with the vibration of matter

- 11. The strength and vitality required for sustained physical or mental activity
- 12. The resistance that one surface or object encounters when moving over another
- 13. The energy newly derived from electric potential energy or kinetic energy

**Down**

- 1. Can be transferred from one object or system to another in the form of heat

- 2. Energy can neither be created nor destroyed but can be transformed to other forms
- 3. The energy possessed by a body by virtue of its position relative to others
- 5. Energy stored in the bonds of chemical compounds
- 6. Defined as how nature moves energy at an extremely rapid rate
- 7. The process of changing one form of energy into another