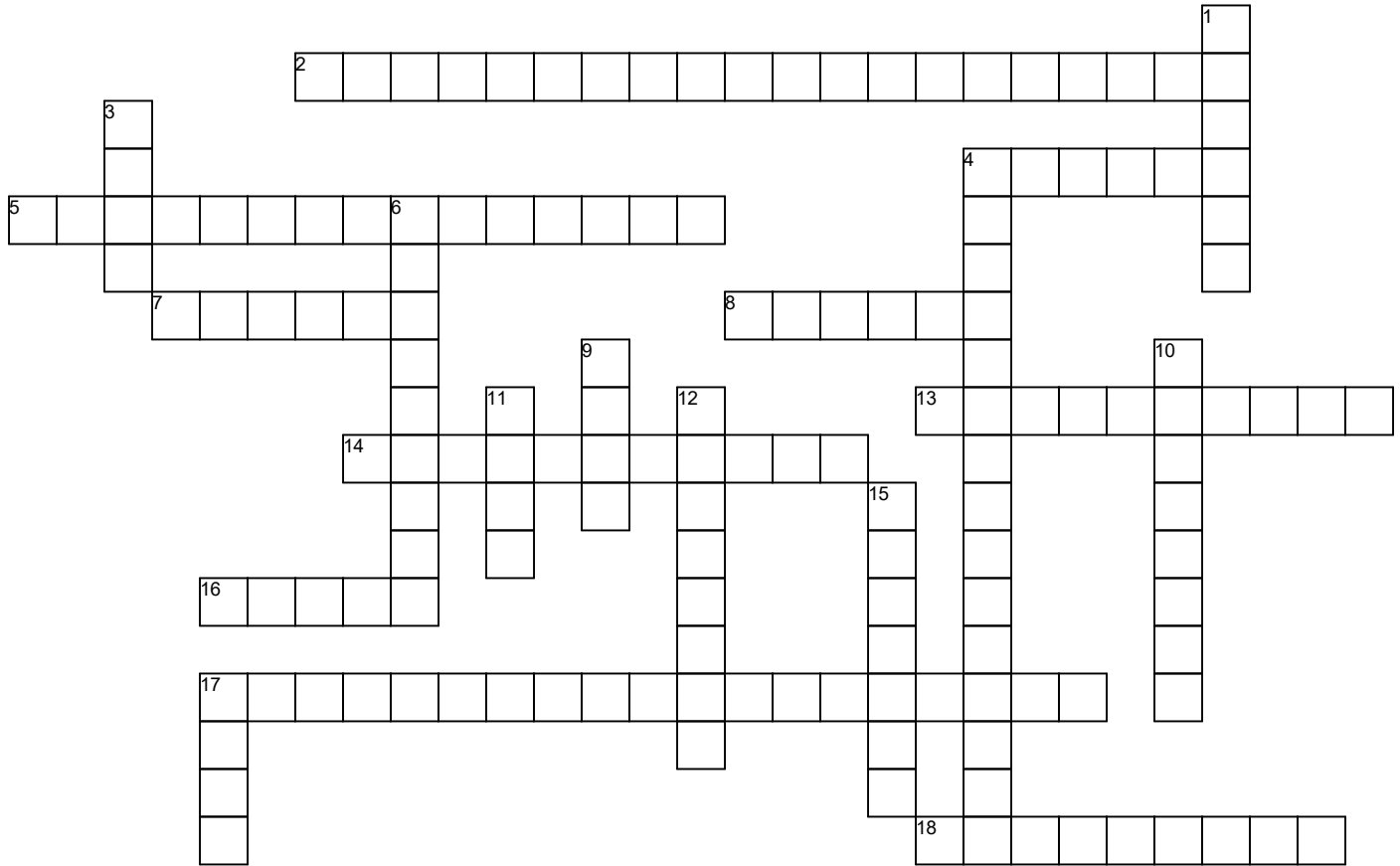


Physics Terms Crossword Puzzle 6-1

1. Using the Across and Down clues, write the correct answer in the numbered grid below.



ACROSS

2. The principle that it is impossible to know both the position and momentum of a particle with absolute precision.
4. A space devoid of matter.
5. The lowest possible energy that a quantum mechanical system may have.
7. A particle that mediates the weak nuclear force.
8. The force exerted on a body by gravity.
13. The distance between successive crests of a wave.
14. Electromagnetic radiation with a wavelength shorter than that of visible light.
16. Scientist known for his double-slit experiment.
17. The concept that every particle or quantum entity exhibits both wave and particle properties.
18. One of the four fundamental forces of nature, responsible for radioactive decay.

DOWN

1. Effect observed in the splitting of spectral lines in the presence of a magnetic field.
3. The product of force and displacement.
4. A particle that exists for a limited time during interactions between real particles.
6. A quantum mechanical phenomenon where particles move through a barrier.
9. A disturbance that travels through a medium.
10. The speed of something in a given direction.
11. A form of electromagnetic radiation.
12. A hypothetical tunnel connecting two separate points in space-time.
15. The electric potential difference between two points.
17. The unit of power in the International System of Units.

velocity

watt

voltage

x-ray

weak force

Zeeman

tunneling

uncertainty principle

wave-particle duality

wormhole

zero-point energy

z boson

weight

vacuum

ultraviolet

virtual particle

wave

wavelength

work

Young