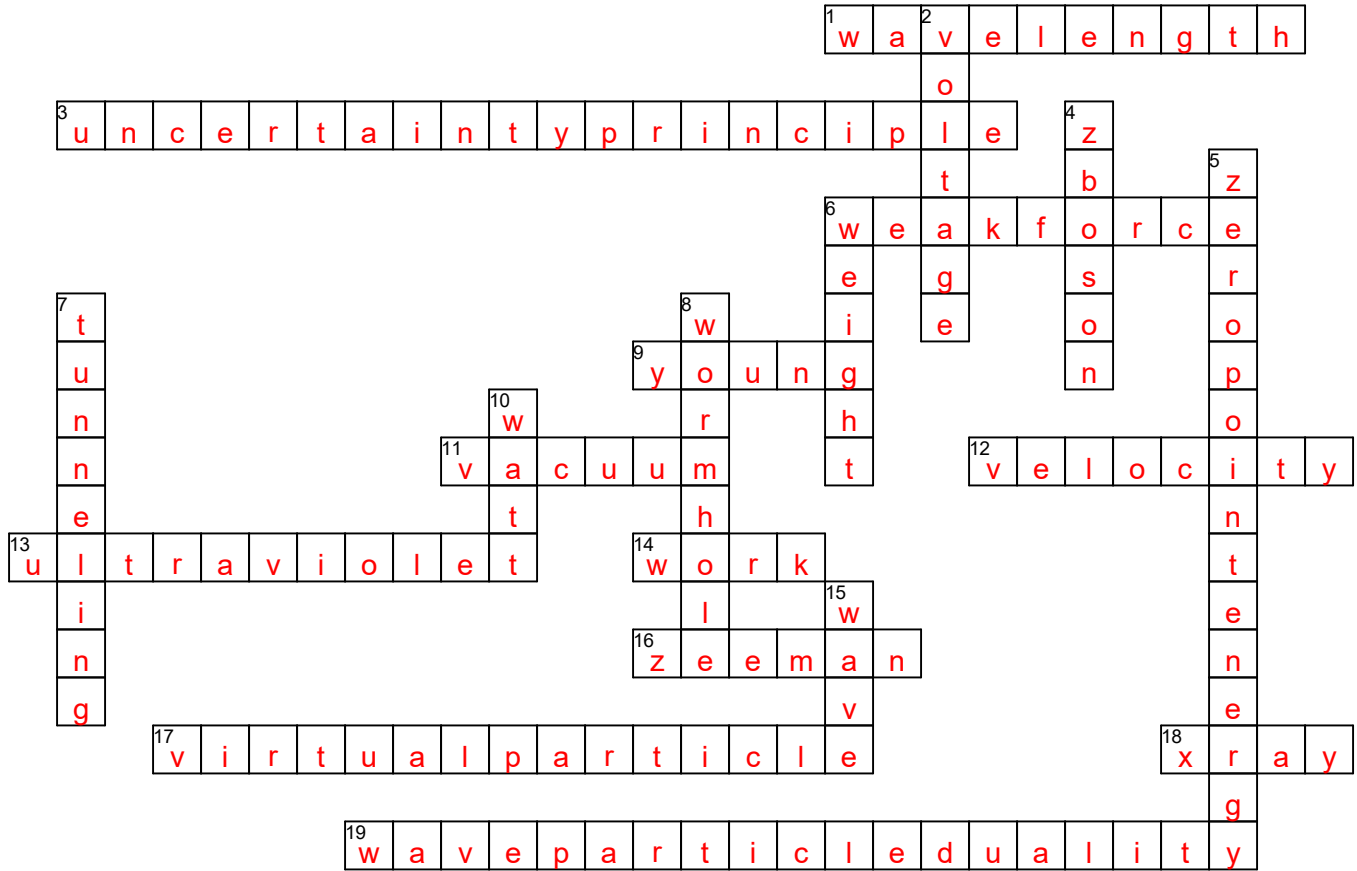


# Physics Terms Crossword Puzzle 6-2

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



## ACROSS

1. The distance between successive crests of a wave.
3. The principle that it is impossible to know both the position and momentum of a particle with absolute precision.
6. One of the four fundamental forces of nature, responsible for radioactive decay.
9. Scientist known for his double-slit experiment.
11. A space devoid of matter.
12. The speed of something in a given direction.
13. Electromagnetic radiation with a wavelength shorter than that of visible light.
14. The product of force and displacement.
16. Effect observed in the splitting of spectral lines in the presence of a magnetic field.
17. A particle that exists for a limited time during interactions between real particles.
18. A form of electromagnetic radiation.

## DOWN

2. The electric potential difference between two points.
4. A particle that mediates the weak nuclear force.
5. The lowest possible energy that a quantum mechanical system may have.
6. The force exerted on a body by gravity.
7. A quantum mechanical phenomenon where particles move through a barrier.
8. A hypothetical tunnel connecting two separate points in space-time.
10. The unit of power in the International System of Units.
15. A disturbance that travels through a medium.

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uncertainty principle

velocity

z boson

weight

wavelength

watt

wormhole

Young

weak force

wave-particle duality

x-ray

wave

Zeeman

work

tunneling

ultraviolet

zero-point energy

virtual particle

vacuum

voltage