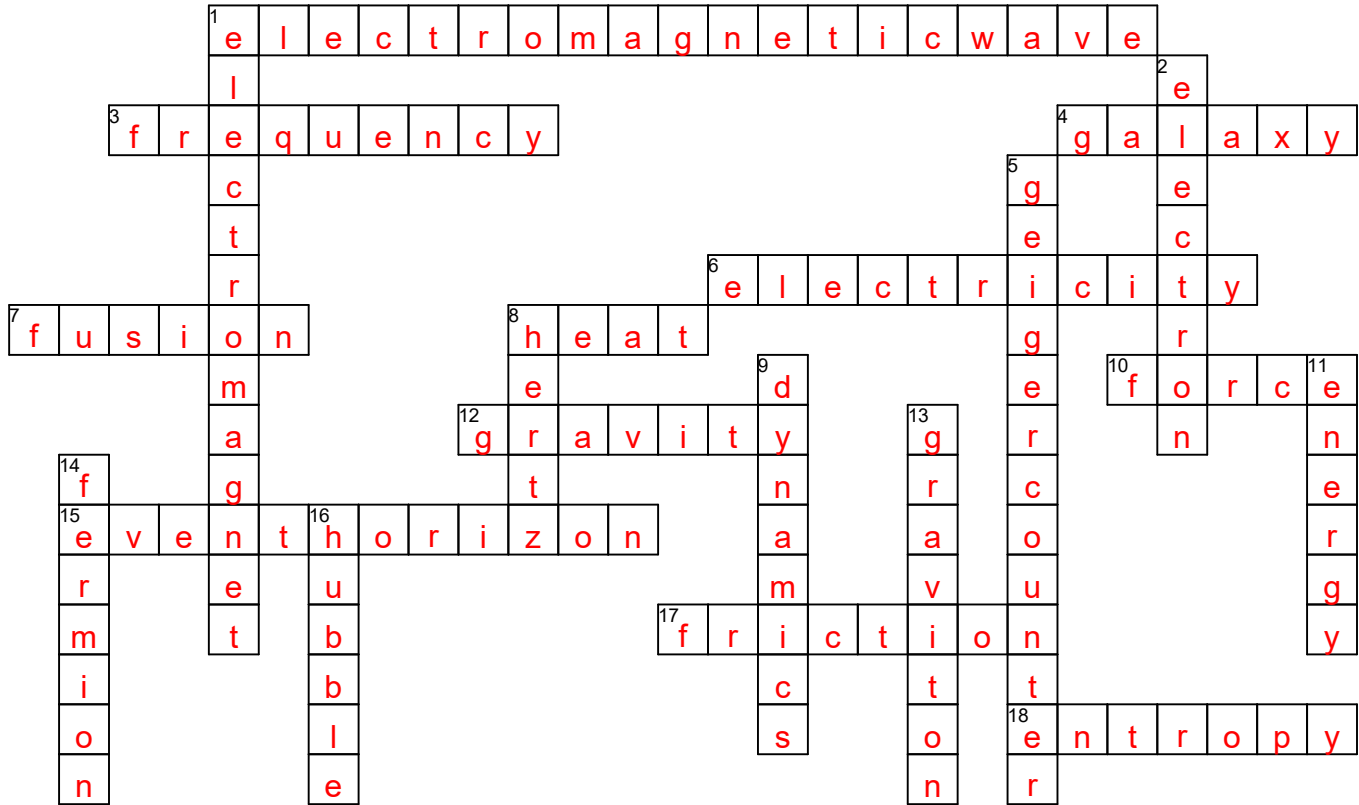


# Physics Terms Crossword Puzzle 2-3

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



## ACROSS

1. A wave of electric and magnetic fields that propagates through space.
3. The number of cycles per unit time.
4. A system of millions or billions of stars.
6. The set of physical phenomena associated with the presence and motion of electric charge.
7. The process of combining two nuclei to form a heavier nucleus.
8. The transfer of thermal energy.
10. An interaction that causes an object to change motion.
12. The force that attracts a body towards the center of the Earth.
15. The boundary of a black hole beyond which no radiation or matter can escape.
17. The resistance to motion of one object moving relative to another.
18. A measure of disorder in a system.

## DOWN

1. A type of magnet in which the magnetic field is produced by an electric current.
2. A subatomic particle with a negative charge.
5. A device for measuring radioactivity.
8. The unit of frequency, equal to one cycle per second.
9. The study of the forces and motion of objects.
11. The capacity to do work.
13. A hypothetical quantum of gravitational energy.
14. A particle, such as a proton or neutron, that follows Fermi-Dirac statistics.
16. Scientist known for his discovery of the expansion of the universe.

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electromagnet

Geiger counter

entropy

friction

fermion

frequency

electromagnetic wave

Hertz

fusion

electron

gravity

graviton

force

energy

Hubble

dynamics

galaxy

electricity

heat

event horizon